



**GOVT. COLLEGE FOR WOMEN GANDHI
NAGAR JAMMU**

KEY INDICATOR: 2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

**OF
NAAC CRITERIA 2**

**TEACHING LEARNING AND
EVALUATION**



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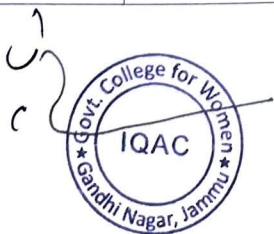
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GOVERNMENT COLLEGE FOR WOMEN GANDHINAGAR, JAMMU



PROGRAM OUTCOMES



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**PROGRAM OUTCOMES OF PROGRAMES INTRODUCED IN THE
SESSION 2022-23**

(UNDER NEP-2020)

**B.Sc. IN BIOTECHNOLOGY
FOUR YEARS UNDERGRADUATE PROGRAM
PROGRAM OUTCOMES**

INTRODUCTION : Biotechnology is a rapidly evolving field that plays a pivotal role in shaping the future of science and technology. The 4-year Bachelor of Science (B.Sc.) degree program in Biotechnology is designed to provide students with a comprehensive and multifaceted education in this dynamic discipline.

Throughout this program, students delve into a wide range of subjects spanning from the intricacies of cell biology to the intricacies of genomics and proteomics. The curriculum is meticulously crafted to foster a strong foundation in basic sciences, coupled with specialized knowledge in biotechnology. From understanding the inner workings of cells to harnessing the power of bioinformatics for data analysis, students are exposed to diverse facets of biotechnology.

Furthermore, this program places a strong emphasis on ethics, intellectual property rights, and the integration of traditional Indian knowledge systems into the contemporary biotechnology landscape. Graduates are not only equipped with the technical prowess required for the field but are also instilled with a sense of responsibility towards society and the environment.

In this document, we will explore the program outcomes in a detailed and structured manner. These outcomes encompass the skills and competencies that graduates of the B.Sc. in Biotechnology program are expected to possess upon completion. It is our belief that these outcomes will empower our graduates to excel in various facets of biotechnology, from research and development to industry and academia, contributing significantly to the advancement of science and the betterment of society.

Program outcome number	Program outcome
PO1	Strong Foundation in Basic Sciences Graduates will possess a deep understanding of the fundamentals of cell biology, genetics, biochemistry, and immunology and apply this knowledge to analyze and solve biological problems.
PO2	Specialized Knowledge in Biotechnology: Gain expertise in areas like enzymology, microbiology, fermentation technology, plant biotechnology, and animal biotechnology. Acquire practical skills in handling biotechnological processes and techniques.
PO3	Bioinformatics and Data Analysis: Learn the principles of bioinformatics and

	utilize computational tools for biological data analysis. Interpret genomic, proteomic, and transcriptomic data for research and applications.
PO4	Ethical and Legal Understanding: Explore ethical issues related to biotechnology research and applications. Understand intellectual property rights in the context of biotechnology innovations.
PO5	Application of Indian Knowledge System: Integrate traditional Indian knowledge systems with modern biotechnology concepts. Appreciate the cultural and historical aspects of biotechnology in India.
PO6	Research and Problem-Solving Skills: Develop the ability to design experiments, collect data, and analyze results. Apply critical thinking to address scientific challenges in biotechnology.
PO7	Biotechnology Industry Readiness: Prepare for careers in biotechnology-related industries by gaining practical experience. Understand the role of biotechnology in addressing real-world problems.
PO8	Communication and Collaboration: Enhance communication skills for presenting research findings and collaborating with peers. Work effectively in interdisciplinary teams to solve complex biotechnological problems.
PO9	Awareness of Genomics and Proteomics: Comprehend the significance of genomics, proteomics, and transcriptomics in modern biotechnology.
P10	Environmental and Social Responsibility: Recognize the environmental and social impacts of biotechnology applications. Promote responsible and sustainable biotechnological practices. These program outcomes are designed to equip graduates with the knowledge and skills needed to excel in the field of biotechnology and contribute to scientific

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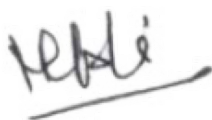
Principal

B.Sc. IN BOTANY
FOUR YEARS UNDERGRADUATE PROGRAM
PROGRAM OUTCOMES

INTRODUCTION: The four year undergraduate program in Botany offers an exciting and mesmerizing journey into the realm of plant life-from the tiniest cells to vast ecosystems. The program aims to provide the students a blend of rigorous coursework, hands-on laboratory experiences and immersive field studies, so as to produce knowledgeable, skilled and responsible individuals who are equipped to understand, explore and contribute to the fascinating world of plants-their conservation and sustainable use for the betterment of society and environment.

Program outcome number	Program outcome
PO1	Comprehensive knowledge of concepts and principles of Plant Biology: After completion of the course, the students will develop a comprehensive understanding of fundamental concepts and principles in various fields of Botany - plant taxonomy, physiology, ecology, evolution, genetics, reproductive biology, pathology, microbiology, etc. The will become capable of identifying and classifying different plant species along with an understanding of plant evolution and diversity
PO2	Critical Thinking and interdisciplinary Integration: The students will develop the ability to analyze and evaluate complex botanical concepts. They will have an understanding of how botanical principles intersect with other scientific disciplines, fostering interdisciplinary thinking and collaboration.
PO3	Ecological Understanding: Graduates will acquire the knowledge about plant interactions within ecosystems, ecological roles and adaptations to different environments.
PO4	Laboratory Techniques: The students will have hands-on skills in laboratory techniques- in conducting experiments, specimen preparation, microscopy, data collection and analyzing plant samples.
PO5	Field Skills, Conservation & Sustainability: The students will acquire knowledge of fieldwork skills which might involve plant identification, plant interactions within ecosystems, ecological adaptations and studying plants in their natural habitats. They will develop awareness of plant conservation strategies, sustainable land use practices and the importance of preservation of biodiversity.
PO6	Plant Pathology and Microbiology: The students will understand the plant diseases, their causes, methods for disease management, besides the study of beneficial plant- microbe interactions.

PO7	Ethical Awareness: Graduates will be able to understand the ethical implications and guidelines in the field of plant research, conservation, biotechnology and sustainable resource management.
PO8	Communication Skills: Graduates will be able to effectively communicate scientific information both in written and oral formats including writing reports, giving presentations and potentially publishing research.
PO9	Research Skills: Students will possess the ability to conduct independent or collaborative research projects, collecting and analyzing data and drawing valid conclusions.
PO10	Preparation for Advanced Education and Employability: Students will get equipped with the knowledge and skills needed to pursue advanced studies in Botany or related fields. They will be well prepared for various career paths including research, agriculture, pharmaceuticals, academia, environmental consultancy and other related fields.



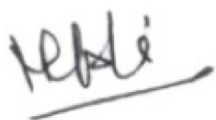
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B.SC. IN CHEMISTRY
FOUR YEARS UNDERGRADUATE PROGRAMME
PROGRAM OUTCOMES

Introduction: The undergraduate course in Chemistry provides a foundation for understanding the fundamental concepts in chemistry and their practical applications in various fields like medicine, material science and industry.

Programme outcome number	Programme outcome
PO1	Knowledge of fundamental chemical concepts Students will have comprehensive knowledge of principles, laws and various concepts of chemistry
PO2	Laboratory skills Students will have practical knowledge of various laboratory techniques used for qualitative and quantitative analysis e.g. purification, volumetric analysis, salt analysis, compound identification.
PO3	Research Through laboratory work and knowledge of chemistry principles this course will develop research skill in students.
PO4	Critical Thinking Ability to apply principles of chemistry in solving complex problems will foster critical thinking in students.
PO5	Communication skills Course will enhance students' knowledge of chemistry principles and improve their communication
PO6	Understanding matter Knowledge of chemistry will help students to have better understanding of matter and its characteristics around them.
PO7	Ethical and Professional skills Students can effectively apply their chemistry knowledge and collaborate socially and contribute to scientific advancement.
PO8	Preparation for future Education With a strong foundation in chemical principles, laboratory techniques and analytical skills students will be able to pursue advanced degrees in chemistry or related fields.
PO9	Preparation for future Career Knowledge in chemistry will prepare students to pursue careers in research, academia, industry, healthcare, environmental sciences, and more.

PO10	Knowledge of harmful effects of chemicals As humanity is facing huge impact of environmental pollution due to toxic chemicals, knowledge of chemistry will make students aware to address this menace in scientific way.
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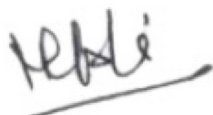
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B.COM
FOUR YEARS UNDERGRADUATE PROGRAMME
PROGRAM OUTCOMES

Introduction: The B.Com programme under NEP 2020 will develop a strong foundation in commerce-related subjects and are well-prepared for various career paths in accountancy, business and finance. The Program Outcomes for a B.Com program are given below:

	Programme outcome
PO1	Knowledge of Commerce: Graduates will demonstrate a comprehensive understanding of core concepts, theories, and principles in various fields of commerce including accounting, management, finance, marketing, and business law.
PO2	Analytical Skills: Graduates should possess the ability to critically analyse complex business scenarios, financial data, and economic trends to make informed decisions and solve problems effectively.
PO3	Communication Skills: Graduates should be able to communicate business concepts and ideas clearly and effectively through written reports, presentations, and other forms of communication, catering to both specialized and non-specialized audiences.
PO4	Ethical Awareness: Graduates should be able to recognize and evaluate ethical dilemmas in business contexts, and apply ethical principles to decision-making and business practices.
PO5	Ethical Awareness: Graduates should be able to recognize and evaluate ethical dilemmas in business contexts, and apply ethical principles to decision-making and business practices.
PO6	Teamwork and Leadership: Graduates will be adept at working collaboratively in diverse teams, understanding group dynamics, and demonstrating leadership qualities in various business situations.
PO7	Adaptability and Lifelong Learning: Graduates enable to exhibit an openness to learning and adapting to changes in the

	business environment, staying updated with industry trends, and pursuing continuous professional development.
PO8	Entrepreneurial Mindset: Graduates shall have an understanding of entrepreneurship and innovation, including the ability to identify business opportunities, develop business plans, and take calculated risks.
PO9	Quantitative Proficiency: Graduates should possess strong quantitative skills, enabling them to interpret financial statements, perform financial analysis, and use statistical tools for business decision-making.
PO10	Global Perspective: Graduates will be able to recognize the implications of globalization on business practices, economics, and finance, and understand the challenges and opportunities associated with operating in a globalized economy.



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B.A. ECONOMICS
FOUR YEARS UNDERGRADUATE PROGRAM
PROGRAM OUTCOMES

INTRODUCTION : NEP-2020 focuses on overall development of students. It encourages

Program outcome number	Program outcome
PO1	<u>Skill Development</u> - After studying courses on data analysis, research methodology and digital literacy, students' capabilities will be enhanced in both academics and vocational courses and they will be prepared for the job market.
PO2	<u>Lifelong Learning</u> - This subject promotes a culture of continuous learning recognising that economics is not limited to classrooms but extends throughout one's life. The students can get knowledge about financial markets, international trade, foreign exchange and the working of the world economy.
PO3	<u>Understanding Economic History</u> -Students will demonstrate an understanding of the functional and historical development of economics in the initial periods like evolution of money and banking, agricultural and industrial history of the country.
PO4	<u>Choice based credit system (CBCS)</u> - Under NEP, students will choose selective courses based on their career goals. This flexibility in choice will enable the B.A. students to adapt their curriculum to their specific interests such as agricultural economics, labour economics, environmental economics, financial economics, etc.
PO5	<u>Entrepreneurship and Innovation</u> - B.A. economics program will offer courses and opportunities for students to explore entrepreneurship and innovation in economics,

	helping them to develop an entrepreneurial mindset and fostering innovation in the field.
PO6	<u>Research Orientation</u> - B.A. economics program under NEP will prioritize research oriented learning experience, including the completion of research projects or thesis.
PO7	<u>Issues in Indian Economy</u> - It will focus on different issues of the Indian Economy that will impact students' day to day life like poverty, unemployment, inflation and climate change. It will help the students in how to solve and eradicate these issues.
PO8	<u>Formulation of different Policies and Planning Process</u> - After the completion of the B.A. program under the NEP, the students will be familiar with the basic concepts of Micro and Macro economics and how different policies of the government are formulated like the Monetary policy, Fiscal policy and the Planning process.
PO9	<u>Global Perspective</u> - This program will imbibe in the students an understanding of how the economic situation prevailing in a country impacts its position in the global perspective.

NEP

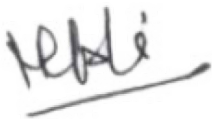
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B.A. IN EDUCATION
FOUR YEARS UNDER GRADUATE PROGRAM
PROGRAM OUTCOMES

The Bachelor of Arts in Education program is designed to prepare students for careers in teaching and education-related fields. These program outcomes are designed to ensure that graduates of a Bachelor of Arts in Education program are well-prepared to become effective educators and make a positive impact on the lives of their students. This Program prepares them for Careers in Teaching, Educational Administration, Curriculum Development and other related Fields in the Education Sector.

Program Outcome Number	Program Outcomes
PO1	Critical Evaluation: Graduates will be able to Critically analyze the reports of various committees and commissions, national policies of education. Students are also encouraged to evaluate the contribution of western and eastern educators and national leaders. This Program enables to comprehend the development in physical, cognitive, social and emotional areas, contemporary issues and educational policies of education system in India.
PO2	Pedagogical Knowledge: Graduates will possess a solid foundation in educational theory and pedagogy, including knowledge of various teaching methods, curriculum development, and assessment techniques.
PO3	Differentiated Instructions: Graduates will be able to adapt their teaching methods to meet the diverse needs of students, including those with varying abilities, learning styles, and backgrounds.
PO4	Technology Integration: Given the increasing role of technology in education, Graduates will be able to integrate educational technology tools and resources into their teaching practices.
PO5	Cultural Competence: Graduates will be culturally competent, understanding and respecting the diverse backgrounds and become sensitive to others by appreciating cultural differences.
PO6	Self-Sufficiency and Life-long Learning: Developing self-sufficiency, sincerity, independent thinking as education is a lifelong process for empowering the students to face all challenges in their future endeavours.
PO7	Data Collection and Analysis skills:

	Graduates will have a strong grasp of fundamental statistical concepts and and be proficient in collecting, organizing educational data using statistical methods.
PO8	Understanding of Educational Psychology: Graduates will be equipped with a deep understanding of how Psychological Principles are applied to the field of Education. Students will be able to conduct Research related to Educational Psychology including Data Collection and Analysis to inform educational practices and policies.
PO9	Curriculum Design: Graduates will learn how to design Curriculum, lesson plans and Teaching Strategies that cater to different learning styles and abilities.
PO10	National Integration, International Understanding and Peace: Students will be able to Develop concern for the society, nation, as well as promote the feelings of internationalism. Various educational policies for the eradication of illiteracy, equalization of educational opportunity, UEE, inclusion, population education are taught in order to sensitize the students.



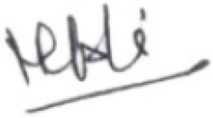
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B.A. IN ENGLISH
FOUR YEARS UNDER GRADUATE PROGRAM
PROGRAM OUTCOMES

Introduction: The under graduate course in English offered in Bachelor of Arts/Science in English is designed to introduce the students to nuances of English Language. The course aims to introduce the students to different genres of English Literature : Poetry, Drama, Novels, Short Stories, Non-Fiction, Essays etc.

Program outcome number	Program outcome
PO1	Critical Ability: After the completion of the course, the learner will develop the ability to think critically, creatively and independently. Students will demonstrate creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.
PO2	Communication Skills: Learners will develop the ability to express oneself clearly, both in writing and orally. Students will effectively develop, interpret and express ideas through written, oral and visual communication.
PO3	Cultural Understanding: Graduates will demonstrate an understanding of diverse cultures and historical movements and the ways that cultural context shapes texts and their interpretation.
PO4	Historical Understanding: Learners will demonstrate an understanding of the functions and historical development of the English language.
PO5	Improve Grammar/ Writing skills: Students will heighten their awareness of correct usage of English grammar in writing and speaking. They will be able to write in appropriate language in order to express themselves accurately.
PO6	Speaking Skill: Students will improve their speaking ability in English both in terms of fluency and comprehensibility
PO7	Reading Skill: Students will improve their reading fluency skills through extensive reading of Primary and Secondary Texts.
PO8	Comprehend primary texts and master secondary texts: Students will demonstrate comprehensive understanding of primary texts in the fields of British, Irish, Indian and/or American literature. They will also demonstrate mastery of secondary texts, including literary history, literary criticism, and theory.
PO9	Research Skills: Students shall possess the ability to conduct independent or collaborative research projects, gather data and analyze results.

PO10	Listening Skills: Students will understand the difference between hearing and listening. They will be able to listen better to communicate with others properly.
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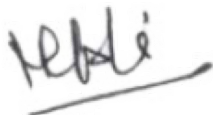
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B.Sc. FOOD SCIENCE AND TECHNOLOGY
FOUR YEARS UNDER GRADUATE PROGRAM
PROGRAM OUTCOMES

INTRODUCTION: The Bachelor of Science in Food Science and Technology program is an amalgamation of biological and physical sciences which aids the students in acquiring an in depth knowledge about various aspects of foods. With the aid of this program, students will get an opportunity to analyze the nature of foods, reasons of their deterioration along with various principles underlying food processing. After successfully accomplishment of this course, students will be called as food technologists who will be going to have ample information regarding selection of safe foods, packaging techniques and preservation of nutritious, safe and wholesome foods. This will pave their way to various career and research opportunities in the world of food.

Program outcome number	Program outcome
PO1	Acquisition of knowledge about various foods: Graduates of this course will develop an intensive knowledge and understanding of several fundamental concepts of food, types of nutrients and their nutritive value. This will answer one big question for all: “Why do we need to eat food?”
PO2	Enhancing Laboratory Skills: This is one of the most significant aspects to be covered in the entire course. Graduates will get adequate proficiency in laboratory techniques including sample preparation, microscopic techniques, food packaging techniques, food compositional and analytical methods. Major portion is taught in skill course which mainly deals with the technology of processing of various fruits and vegetables involving the development of a wide array of processed fruit and vegetable based products.
PO3	Industrial Visits and Hands on training: Industrial visits are regularly conducted for the students which help them in extracting knowledge about the development of various types of processed food products. Hands on training is also provided to the students in their skill course to generate knowledge regarding the handling of various equipments regularly used in food industries.
PO4	Ethical and Moral Responsibilities: Graduate students will acquire ethical guidelines and moral education to understand food losses, reasons and preventive measures as well. Students will also develop an adequate knowledge about preventive measures to minimize food contamination.
PO5	Development of New and Innovative food products:

	Another aspect of this program is to understand sustainable and effective measures of new and innovative food products. Students shall be familiar with the research that can be carried out in the pilot plants with the utilization of various equipments and instruments.
PO6	Understanding of Food Safety: This course clarifies the fact that food safety is directly related to public health. Students will get to know about various food laws and regulations, food ingredient labeling, nutrition labeling, food additives and various governmental and non-governmental organizations concerning food safety and protection to ensure consumer health and longevity.
PO7	Scientific Knowledge and Critical Thinking: This program effectively leads to the development of the much needed critical thinking of the students which can help them in looking at various decisions in a logical way. Students will efficiently develop scientific knowledge regarding various crucial aspects related to foods.
PO8	Building Effective Communication and Social Interaction: It develops communication skills that builds up the confidence enough to connect with various innovative ideas. Students studying this course will develop much needed social interaction which helps them in developing meaningful conclusions in an effective manner.
PO9	Developing Entrepreneurship skills: This course will definitely familiarize the students with the recent techniques and knowledge enough to strengthen their expertise in handling various equipments and machines used in the food industry.
PO10	Preparation for Career advancement: Students will enhance their practical and professional skills from this course which will provide them an edge over the others in finding desirable professional careers. This will not only strengthen their knowledge, capability and expertise in the subject but also will encourage them to pursue their research in the food world.



Principal

B.Sc. IN GEOGRAPHY
FOUR YEARS UNDER GRADUATE PROGRAM
PROGRAM OUTCOMES

The National Education Policy 2020 (NEP 2020) in India aims to transform the education system across various subjects, including geography. The program outcomes for geography under NEP 2020 are designed to promote holistic learning, critical thinking, and a comprehensive understanding of the subject.

Program outcome number	Program outcome
PO1	Holistic Understanding of Geography: NEP 2020 emphasizes a shift from rote learning to a more comprehensive understanding of geography. Students are expected to gain a deep appreciation of the subject, its significance, and its real-world applications.
PO2	Critical Thinking and Problem Solving: The curriculum encourages students to develop critical thinking skills, analyze geographical phenomena, and solve complex problems related to issues such as climate change, urbanization, and resource management.
PO3	Interdisciplinary Approach: Geography is integrated with other subjects, allowing students to explore the interconnections between geography, history, economics, and environmental science. This interdisciplinary approach helps students grasp the broader implications of geographical phenomena.
PO4	Environmental Awareness: NEP 2020 emphasizes the importance of environmental sustainability. Geography programs are expected to equip students with the knowledge and skills needed to address environmental challenges and contribute to sustainable development.
PO5	Spatial and Geospatial Skills: Students are encouraged to develop spatial awareness and geospatial skills, including the use of Geographic Information Systems (GIS) and remote sensing technology. This enables them to analyze and interpret spatial data effectively.
PO6	Fieldwork and Practical Learning: Geography programs promote hands-on learning through fieldwork and practical exercises. This includes conducting surveys,

	geographical experiments, and exploring local landscapes to enhance students' practical skills and field experience
PO7	Global Perspective: The curriculum is designed to provide students with a global perspective on geography. They are expected to understand global issues, international relations, and the interconnectedness of geographical phenomena at a global scale.
PO8	Cultural and Social Sensitivity: Geography programs aim to foster cultural and social sensitivity by exploring the diverse cultural, social, and economic landscapes of different regions. This helps students appreciate the richness of human diversity and its impact on geography
PO9	Cultural and Social Sensitivity: Geography programs aim to foster cultural and social sensitivity by exploring the diverse cultural, social, and economic landscapes of different regions. This helps students appreciate the richness of human diversity and contributing to the advancement of geographical knowledge.

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Principal

**हिंदी विभाग, राजकीय महिला महाविद्यालय , गांधीनगर जम्मू
हिन्दी साहित्य में बी. ए.**

(नई राष्ट्रीय शिक्षा नीति के अंतर्गत चार वर्षीय स्नातक कार्यक्रम)

पाठ्यक्रम परिणाम (Programme Outcome)

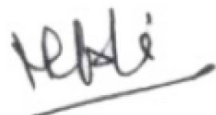
हिंदी साहित्य में स्नातक (हिंदी में बी.ए.) पाठ्यक्रम विद्यार्थियों में हिंदी भाषा एवं साहित्य के प्रति रुचि जगाने तथा उनके भविष्य को उज्ज्वल बनाने में महत्ती भूमिका निभाएगा। यह पाठ्यक्रम उनके भीतर रचना कौशल को निखारेगा। पाठ्यक्रम का सारांश विद्यार्थियों को हिंदी साहित्य की विभिन्न विधाओं एवं शैलियों जैसे - कविता, कहानी, उपन्यास, नाटक, निबंध, आलोचना, हिंदी भाषा, संप्रेषण कौशल, हिंदी व्याकरण, हिंदी साहित्य, पत्रकारिता, कंप्यूटर, अनुवाद विज्ञान तथा कथेतर साहित्य आदि के अध्ययन - अध्यापन में सक्षम और स्वावलंबी बनाएगा।

प्रस्तावना :

पाठ्यक्रम सारांश क्रमांक (P.O. Number)	प्रोग्राम आउटकम
P.O. 1	आलोचनात्मक क्षमता: पाठ्यक्रम पूरा होने के बाद, विद्यार्थियों में आलोचनात्मक, रचनात्मक तथा स्वतंत्र रूप से विश्लेषण करने की क्षमता विकसित होगी। विद्यार्थी नवाचार और मूल्यांकन में दक्षता प्रदान करेंगे।
P.O. 2	संचार कौशल: विद्यार्थियों में लिखित और मौखिक प्रतिभा का विकास होगा। वे अपने भावों -विचारों को प्रभावी ढंग से व्याख्यायित करेंगे।
P.O. 3	सांस्कृतिक समझ: विद्यार्थियों में भारत तथा अन्य देशों सहित हिंदी भाषी क्षेत्रों के इतिहास,

	संस्कृति, परंपराओं और साहित्य की गहरी समझ बढ़ेगी।
P.O. 4	हिंदी भाषा में प्रवीणता: विद्यार्थियों में हिंदी भाषा पढ़ने, लिखने और बोलने में उच्च स्तर की योग्यता विकसित होगी। उनमें हिंदी के व्याकरण का बोध जगेगा तथा भाषा के विभिन्न आयामों से वे परिचित हो जाएंगे।
P.O. 5	अनुसंधान कौशल: नई राष्ट्रीय शिक्षा नीति के अंतर्गत बनाए गए इस पाठ्यक्रम में अनुसंधान के पक्ष पर भी बल दिया गया है। विद्यार्थी शिक्षकों के मार्गदर्शन में अनेक शोध विषयों एवं परियोजनाओं पर स्वतंत्र रूप से कार्य करने में सक्षम होंगे। इसके माध्यम से उनमें विवेचन एवं विश्लेषण करने की तार्किक क्षमता बढ़ेगी।
P.O. 6	अंतःविषय समझ: विद्यार्थी इतिहास, भाषा विज्ञान, मानव विज्ञान, समाजशास्त्र और साहित्य जैसे संबंधित क्षेत्रों के अध्ययन के माध्यम से हिंदी भाषा की अंतःविषय समझ विकसित करेंगे।
P.O. 7	व्यावसायिक और करियर कौशल: विद्यार्थी ऐसे कौशल प्राप्त करेंगे जो शिक्षा, पत्रकारिता, अनुवाद, सांस्कृतिक प्रबंधन, तथा पर्यटन जैसे क्षेत्रों में करियर बनाने में लागू हो सकते हैं।

<p>P.O. 8</p>	<p>मीडिया और पत्रकारिता: विद्यार्थी मीडिया और पत्रकारिता के क्षेत्र में कार्य कर सकते हैं। वे समाचार चैनलों, रेडियो स्टेशनों, अखबारों, पत्रिकाओं, डिजिटल मीडिया प्लेटफार्मों में रिपोर्टर, संपादक, और संवाददाता के पदों पर भी कार्य कर सकते हैं।</p>
<p>P.O. 9</p>	<p>साहित्यिक कार्य: विद्यार्थी साहित्य के क्षेत्र में कार्य कर सकते हैं, जैसे कि कविता, कहानी, उपन्यास, नाटक, पुस्तक समीक्षा लेख आदि लिख सकते हैं। वे साहित्यिक मासिकों, पत्रिकाओं, प्रकाशनों में कार्य कर सकते हैं।</p>
<p>P.O. 10</p>	<p>अध्यापन: विद्यार्थी अध्यापन के क्षेत्र में अपना करियर बना सकते हैं। वे विद्यालयों, महाविद्यालयों और विश्वविद्यालयों में हिंदी अध्यापक, सहायक प्रोफेसर या प्रोफेसर के पद के लिए आवेदन कर अपना करियर बना सकते हैं।</p>



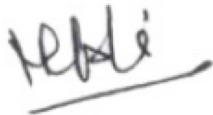
Principal

B.A. IN HISTORY
FOUR YEARS UNDER GRADUATE PROGRAM
PROGRAM OUTCOMES

INTRODUCTION: The learning outcomes-based curriculum framework for a degree in B.A. History is intended to provide a comprehensive foundation to the subject and to help students develop the ability to successfully continue with further studies and research in the subject while they are equipped with required skills at various stages. The framework is designed to equip students with valuable cognitive abilities and skills so that they are successful in meeting diverse needs of professional careers in a developing and knowledge-based society. The curriculum framework takes into account the need to maintain globally competitive standards of achievement in terms of the knowledge and skills in History.

Program outcome number	Program outcome
PO1	Knowledge: The students develop a scientific understanding of the past which enables them to understand the history of India as well as the history of the world.
PO2	Problem Analysis: The students develop a logical understanding of the past which enable them to make sense of the current societal problems in their historical context. The students gather intimate knowledge of the genesis and evolution of the social, economic, cultural and political formations of human past.
PO3	Historical Research: Use historical research methods to generate knowledge about the various and diversified issues relating to the past.
PO4	Conservation and Preservation: Conservation and preservation of art, culture and heritage of the J & K region. The department has course which was specially designed to make students aware of local tourism spots and their related history which prove useful for students in their carrier aspect.
PO5	Modern methods usage: Select and apply appropriate methods, techniques, resources and modern IT tools for generation and dissemination of historical knowledge.
PO6	History and society: Apply reasoning informed by the contextual knowledge of

	human past to assess current state of society, economy, environmental, cultural, and political and other related issues.
PO7	Career Prospects: Enable them in understanding significance of the subject for various competitive examinations.
PO8	Communication: Communicate the outcome of the historical research through writings.
PO9	Life-long learning: Recognize the need for and have the capability of critically evaluating and analysing the past for a better understanding of human past.



Principal

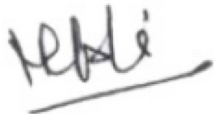
B.Sc. IN HOME SCIENCE
FOUR YEARS UNDER GRADUATE PROGRAM
PROGRAM OUTCOMES

Introduction: Bachelor of Science (BSc) in Home Science is an interdisciplinary field that encompasses various aspects of home management, family dynamics, nutrition, clothing and textiles, child development, and consumer economics. The course aims to provide students with a comprehensive understanding of the scientific and practical dimensions of managing a home and promoting the well-being of individuals and families.

<u>Program Outcome Number</u>	<u>Program Outcome</u>
PO1	Foundations of Home Science: Understand the historical and theoretical foundations of home science as a discipline. Gain insights into the role and importance of home science in promoting family and community well-being.
PO2	Nutrition and Dietetics: Acquire knowledge of the principles of nutrition and their application in planning balanced diets. Understand the nutritional requirements at different life stages and for various health conditions. Develop skills in meal planning, food preparation, and menu development to promote health and prevent nutritional deficiencies.
PO3	Child Development and Family Studies: Explore theories of child development and gain insights into physical, cognitive, emotional, and social growth stages. Understand the factors influencing child development and learn strategies for fostering optimal growth and learning. Analyze family dynamics, roles, and relationships to promote effective communication and support within families.
PO4	Clothing and Textiles: Learn about the properties and characteristics of various textiles, fabrics, and materials. Develop expertise in garment construction, pattern-making, and clothing design.

	<p>Acquire knowledge of fashion trends, personal style, and wardrobe planning for individuals and families.</p> <p>Understand sustainable practices in clothing and textiles, including eco-friendly choices and textile conservation.</p>
PO5.	<p>Resource Management: Develop skills in financial management, budgeting, and resource allocation for households.</p> <p>Explore principles of time management, organizational skills, and effective utilization of resources.</p>
PO6	<p>Human Development and Family Relations: Gain insights into human behavior and psychological development across the lifespan.</p> <p>Learn strategies for promoting healthy family interactions and addressing challenges such as parenting, aging, and crisis management.</p>
PO7	<p>Extension and Communication: Develop effective communication skills to disseminate knowledge related to home science to diverse audiences.</p> <p>Acquire skills in designing and conducting workshops, seminars, and awareness campaigns.</p>
PO8	<p>Research Methods and Statistics: Gain proficiency in research methodologies, data collection, and analysis techniques relevant to home science.</p> <p>Develop the ability to critically evaluate research studies and apply evidence-based approaches in decision-making.</p> <p>Undertake independent research projects to explore topics of interest within the field of home science.</p>
PO9	Food Safety and Hygiene:

	<p>Understand the principles of food safety, sanitation, and hygiene in food handling and preparation.</p> <p>Acquire skills in maintaining cleanliness and hygiene in domestic and community settings.</p>
<p>PO10</p>	<p>Entrepreneurship and Career Development:</p> <p>Explore opportunities for entrepreneurship within the home science field, such as catering, event planning, and consultancy services.</p> <p>Develop business acumen, marketing strategies, and financial planning skills for entrepreneurial ventures.</p> <p>Gain insights into potential career paths in education, research, public health, community development, and other related areas.</p>



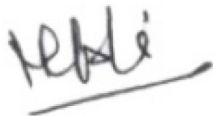
Principal

B.A./ B.Sc. IN MATHEMATICS
FOUR YEARS UNDER GRADUATE PROGRAM
PROGRAM OUTCOMES

INTRODUCTION: Bachelor Degree in Mathematics is the culmination of in –depth knowledge of Algebra calculus differential equations and various other branches of mathematics .Mathematics is the study of quantity, structure, space and change .It has very broad scope in science ,Engineering and Social Sciences .This program helps students in building a solid foundation for higher studies in mathematics career and research opportunities .

Program outcome number	Program outcome
PO1	Knowledge of Mathematical Concepts and Principles: Ability to acquire in depth knowledge of concept algebra calculus differential equations real and complex analysis and several other branches of mathematics this also leads to study of related areas like graph theory and linear programming does this program helps graduates in building a solid foundations for higher studies in Mathematics
PO2	Analytical Skills: the skill and knowledge gained by the graduate leads to the proficiency in analytical reasoning this can be utilized in modelling and solving real life problems
PO3	Problem solving skill : To recognize patterns and to distinguish between relevant and irrelevant aspects of problems.
PO4	Critical thinking and Analysis : Utilize Maths to solve theoretical and applied problems by critical understanding analysis and synthesis.
PO5	Research skill : Student will acquired the ability to conduct independent research projects further data and analyze results.
PO6	communication skills : Ability to communicate maths effectively by written computational and graphic means
PO7	Creative skill : create mathematics ideas from basic Axioms.
PO8	Ethical conduct : Graduates will contribute positively to the mathematical community by

	adhering to ethical guidelines in research and responsible mathematical behavior
PO9	Application skills : Able to present math clearly and precisely make vague ideas precise by formulating them in the language of maths and explain fundamental concept of maths to non-mathematician
PO10	Preparation for future education and career : this program will also help students to enhance their employability for jobs in banking ,insurance and investment sectors data analyst and other public and private internships it will also equip student with the knowledge needed to pursue advance studies in mathematics

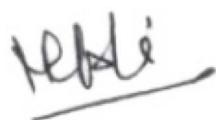


Principal

BA IN MUSIC
FOUR YEARS UNDERGRADUATE PROGRAM
PROGRAM OUTCOMES

The Bachelor of Arts in Music aims to provide a comprehensive education in music that combines practical training with a deep understanding of the theoretical and historical aspects of the art form, preparing students for a wide range of professional and artistic pursuits within the field of music and beyond.

Programme Outcome Number	Programme Outcome
PO1	Music Theory: Students will Study advanced music theory and its application in Indian classical music.
PO2	Understanding Ragas: Students will be able to identify and differentiate between major ragas, including their scales, characteristics, and emotional associations.
PO3	History and Evolution: Students will gain knowledge about the historical development and evolution of Indian classical music.
PO4	Tala Mastery: Students will develop proficiency in basic talas (rhythmic cycles) and the ability to perform common tala patterns.
PO5	Introduction to Compositions: Students will learn to compose simple pieces in traditional styles.
PO6	Interdisciplinary Learning: Students shall possess the ability to connect music with other academic fields such as history, literature, psychology, and cultural studies.
PO7	Performance Skills: Students will refine their performance skills through practice, rehearsals, and public performances.
PO8	Personal Growth: Students will enhance their personal growth and self-expression through the study and practice of music.
PO9	Music Research: Students shall possess the ability to conduct independent research in an area of Indian classical music, producing a thesis or research paper.
PO10	Career Preparation: Students will get equipped with the knowledge and skills needed for a variety of careers in music, including performance, teaching, composition, musicology, music therapy, and arts management.



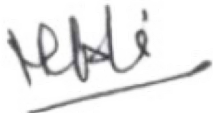
Principal

B.Sc. IN PHYSICS
FOUR YEARS UNDER GRADUATE PROGRAM
PROGRAM OUTCOMES

INTRODUCTION: The Bachelor of Science in Physics program provides students with a comprehensive understanding of the fundamental principles governing the physical world. Through this program, students will delve into the intricacies of matter, energy, motion, and the forces that shape the universe. Aspiring physicists will acquire a diverse range of skills and knowledge that will prepare them for a wide array of career and research opportunities, making valuable contributions to the field of physical sciences.

Program outcome number	Program outcome
PO1	Mastery of Fundamental Physics Concepts: Graduates will possess a deep and comprehensive understanding of essential concepts and principles in various areas of physics, including classical mechanics, electromagnetism, thermodynamics, quantum mechanics, and relativity.
PO2	Proficiency in Laboratory and Experimental Techniques: Graduates will be proficient in laboratory techniques, including experimental setup, data collection, and analysis. They will gain hands-on experience in conducting experiments and observations to validate physical theories.
PO3	PO3 - Mathematical and Computational Skills: Graduates will have a strong foundation in mathematics and computational methods, enabling them to solve complex physical problems, perform simulations, and analyze scientific data.
PO4	Ethical and Professional Conduct: Graduates will adhere to ethical guidelines in their research and professional interactions, ensuring responsible scientific conduct and contributing positively to the physics community.
PO5	Understanding of the Principles of Modern Physics: Students will be familiar with the principles of modern physics, including quantum mechanics and relativistic physics, and understand their significance in explaining natural phenomena.
PO6	Exploration of Natural Phenomena: Students will comprehend the scientific

	method and apply it to investigate and explain various physical phenomena, demonstrating critical thinking and problem-solving skills.
PO7	Effective Communication of Scientific Ideas: Graduates will possess excellent communication skills, enabling them to effectively convey scientific information through written reports, oral presentations, and potentially publishing their research findings.
PO8	Research Competence: Students will have the ability to conduct independent or collaborative research projects, gather and analyze data, and contribute to advancing our understanding of the physical world.
PO9	Preparation for Advanced Studies and Careers: Graduates will be well-prepared for advanced studies in physics or related fields and equipped with the knowledge and skills needed to pursue careers in research institutes, academia, industry, technology sectors, and more.



Principal

BA IN POLITICAL SCIENCE
FOUR YEARS UNDER GRADUATE PROGRAM
PROGRAM OUTCOMES

INTRODUCTION: The Undergraduate course in Political Science is designed in the light of new dimensions of politics in the changing world. It will impart the knowledge of diverse political ideologies, important concepts and the latest development in local, state, national, world politics and governments. A student will in-depth knowledge of Indian constitution changing dynamics of society and politics in India and international Politics are much better equipped to successfully handle various socio-political circumstances.

Program outcome number	Program outcome
PO1	Understanding Political Theory : Students will understand the basic concepts of Politics, Political Science, their nature and scope. Analysing the various approaches to understand the politics like normative, system, behavioural.
PO2	State and Civil Society : Students will assessing theories of origin, nature and function of state ,social contact, idealist, liberal and neo-liberal.
PO3	Major Concepts in theory : Graduates shall be familiar with the concepts of Rights, Liberty, Equality, Justice and Democracy and its various dimensions.
PO4	Indian Constitution and Government : This course aims to introduce certain key aspects of Indian Govt. and politics and the skill required to engage in debates surrounding the application of the concept.
PO5	Introduction to Indian Constitution : Students will understand the basic philosophy of constitution Preamble, Fundamental Rights, Duties, Directive Principles of State Policy.
PO6	Institutional Functioning : Graduates will be able to effectively understand the composition and structure of Indian Parliament their structure and function.
PO7	Judiciary and Judicial Process : Students will understand the judicial system of india,

	their process through judicial activism, judicial review and PIL in India.
PO8	Functioning of Constitutional Government in India : Students will be aware of ideological and philosophical landmarks of Indian constitution, Preamble, basic features, their fundamental rights, duties and directive principles of state policy.
PO9	Union and State Legislature : Student will be aware about the functioning of centre and state government their relation and tension areas of their relationships.
PO10	Comparative Politics and Government : This course will help to understand the comparative study of government and politics their relationships and differences. Students will analyse the comparative study of various political culture, process , socialization and development.
PO11	Comparative forms of Government : Students will be aware about the various forms of government their meaning and features like Parliamentary, Presidential, Unitary and Federal Forms. Graduates will also aware about various regimes like Democratic, Authoritarian etc.
PO12	Legislative Structures and Governance in India : Students will have knowledge about the nature and Functioning of Indian Parliament, working of Parliamentary Committees and Budget . This course will also generate awareness about conceptual understanding of Three Tier System or Local Self Government in India.

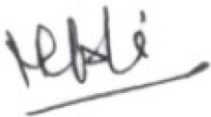
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Principal

B.A. IN PSYCHOLOGY
FOUR YEARS UNDER GRADUATE PROGRAM
PROGRAM OUTCOMES

INTRODUCTION: The objective of a Four Year Undergraduate Program in Psychology is to provide students with a comprehensive understanding of the human mind, behavior, and emotions. This program aims to equip students with theoretical knowledge, practical skills, and critical thinking abilities to analyze, understand, and address various psychological phenomena.

Program outcome number	Program outcome
PO1	<p>Knowledge Acquisition: To demonstrate a broad and deep understanding of core concepts, theories, and empirical findings in psychology across various subfields, including but not limited to cognitive, developmental, social, and psychopathology.</p>
PO2	<p>Critical Thinking and Research Skills: To develop and apply critical thinking skills to evaluate psychological research, theories, and methodologies and to conduct empirical research, including designing experiments, collecting and analyzing data, and interpreting results.</p>
PO3	<p>Ethical and Professional Behavior: To understand and adhere to the ethical principles and guidelines established by the American Psychological Association (APA) and other relevant professional organizations and to demonstrate professional behavior in academic and research settings, including respect for diversity and cultural competence.</p>

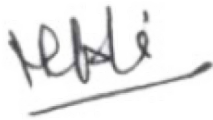


Principal

<p>PO4</p>	<p>Communication Skills: To effectively communicate psychological concepts, research findings, and ideas through written reports, presentations, and discussions and to engage in active listening and interpersonal communication skills in various professional contexts.</p>
<p>PO5</p>	<p>Problem-Solving and Application: Apply psychological principles and research to solve real-world problems in diverse settings, such as healthcare, education, business, and social services and to utilize critical thinking to analyze and address issues related to mental health, human behavior, and well-being.</p>
<p>PO6</p>	<p>Diversity and Inclusion: To recognize the importance of diversity and cultural factors in psychology and its applications. Understand the impact of diversity on human behavior and psychological research.</p>
<p>PO7</p>	<p>Interdisciplinary Collaboration: To collaborate effectively with professionals from other disciplines, such as healthcare providers, educators, and social workers, to address complex issues that require interdisciplinary solutions.</p>
<p>PO8</p> <p>Principal</p>	<p>Lifelong Learning: To cultivate a commitment to ongoing learning and professional development in psychology, including staying current with research and ethical practices.</p>

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PO9	Preparing for Advanced Studies: Be well-prepared for further education, such as graduate studies in psychology or related fields, including successful completion of the GRE (Graduate Record Examination) if applicable.
PO10	Career Readiness: Develop skills that are transferable to a wide range of careers, such as data analysis, critical thinking, and effective communication and to explore potential career paths in psychology and related fields and be prepared for entry-level positions in areas such as mental health, research, counseling, and education.



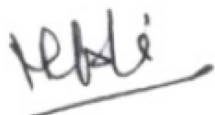
Principal

B.A IN SANSKRIT
FOUR YEARS UNDER GRADUATE PROGRAM
PROGRAM OUTCOMES

The program outcomes for undergraduates studying Sanskrit may include:

Program outcome number	Program outcome
PO1	Proficiency in reading, writing, and speaking Sanskrit: Students will be able to comprehend and communicate effectively in Sanskrit, both in written and oral form.
PO2	Knowledge of Sanskrit grammar and literature: Students will be familiar with the rules of Sanskrit grammar and will have studied a range of Sanskrit texts, including ancient scriptures, poetry, and plays.
PO3	Cultural understanding and appreciation: Students will have a deep understanding and appreciation of the ancient Indian culture and its rich literary traditions.
PO4	Critical thinking and analysis: Students will be able to critically analyze and interpret Sanskrit texts, as well as develop their own insightful interpretations.
PO5	Research skills: Students will have developed research skills to explore and analyze Sanskrit texts and literature independently.
PO6	Interdisciplinary knowledge: Students will have a broad understanding of how Sanskrit literature and language connect with other disciplines, such as philosophy, linguistics, history, and religious studies
PO7	Effective communication skills: Students will have honed their communication skills in Sanskrit, as well as in English and other languages, enabling them to present their ideas and arguments effectively
PO8	Awareness of cultural diversity: Students will be knowledgeable about the diverse

	cultural and religious practices of ancient India, as reflected in Sanskrit texts.
PO9	Proficiency with digital tools: Students will be trained in using digital tools to access and analyze Sanskrit texts, as well as to present their research findings
PO10	Lifelong learning: Students will have developed a love for learning and the skills necessary to continue their exploration of Sanskrit literature and language beyond their undergraduate studies.



Principal

B.A IN SOCIOLOGY
FOUR YEARS UNDER GRADUATE PROGRAM
PROGRAM OUTCOMES

Introduction: The aim of Bachelor of Arts in Sociology program is to provide knowledge and analytical skills to students that are necessary to understand social life in an increasingly complex world. The bachelor's degree in Sociology is to able to address large and small scale, social problems through constructive, empirical enquiry, critical analysis and strategic action. The Sociology Department's curriculum cultivates theoretical, methodological and advocacy skills of the students. It also includes studies the evolution of human society as well as human relationships, interactions and cultures around the world. The main purpose of the Under graduate Program in sociology is to develop and disseminate knowledge, skills and values through teaching, field-based training and research projects in order to promote maintain and improve the functioning of individuals, families, groups, organisations and communities existing in the society.

Program outcome number	Program outcome
PO1	Disciplinary knowledge- Students will able to demonstrate the attribute of comprehensive knowledge and of discipline of Sociology and also understanding the foundations of Sociology and it is linked to other sciences. They will also able to understand the social systems and large bureaucracies, the ability to carry out research projects to assess whether a program or policy is working, the ability to collect, read, and analyse statistical information from pools or surveys to generate a critical understanding on society and social issues in contemporary field of knowledge.
PO2	Critical thinking- The graduates in Sociology are expected to apply analytical and critical thinking to a body of knowledge of sociology, so as to evaluate the issues and problems related to society. Critically evaluate the social policies, societal norms and values practises and social logical theories.
PO3	Moral and Ethical awareness- The students will be able to exhibit value based moral and ethical practises in their daily day to day life. They will be able to identify ethical issues related to any work, particularly work related to Sociology ; avoid unethical behaviour, adopt objectivity and unbiased and honest actions in all aspects of work.

PO4	Co-operation and multicultural competence- The students will be able to work collaboratively in dealing with the sociological affairs in particular and any kind of task in general. They will also be able to work effectively in a diverse team, respecting each other while working in the interest of a common cause by doing so the students will appreciate the beliefs, values of multiple cultures across the globe and demonstrate respect for inclusivity in society while engaging in a multicultural society.
PO5	Reflective thinking and problem-solving- The students will develop the ability to understand and use their own experiences, skills to meet challenges in the field of Sociology and in day to day life. After completion of graduation in Sociology, the students will be able to understand the nature of Sociological problem and deal with them in right manner. Moreover, they should be able to solve different problems of day to day life in various situations.
PO6	Contextualisation- The students will deal with the emerging and understanding of Indian society. The theoretical underpinning of the complexity of society and also the whole discourse contextualisation sociology in and for India as well.
PO7	Interpretative understanding - The students will be able to trace or interpret the sociological issues. For example - The evolution of gender as a category of Social analysis and the major debate that have emerged related to it. The aim of this outcome is to sensitise and familiarise the students with different theoretical feminist perspective on women and gender issues in society
PO8	Interdisciplinary understanding - The students will understand interdisciplinary understanding of crime, law as well as Society.

	<p>Legal system is a reflection of society as all laws emanate from the society and are applied in the society. Students will be exposed to current debate on the treatment of offenders. Increasing crime rate etc. They shall be taken a visit to prison for practical understanding of evolving legal system and the application of rehabilitative approach.</p>
PO9	<p>Conceptualisation and formulation - The students will understand the conceptual, theoretical and empirical background with the issues like sustainable development and environmental disturbances. The students will understand the emergence of sustainable development, environmentalism and environmental movements from theoretical conceptual perspective.</p>
PO10	<p>Imagination skills and responsibility- To educate students with a deeper and broader sociological imagination. To promote critical thinking about the different social institutions and processes to train the students to engage in social engagements across different domains as well as to guide students to understand individual responsibility towards the society.</p>

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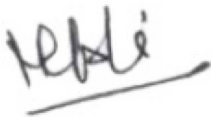
B.Sc. IN STATISTICS
FOUR YEARS UNDER GRADUATE PROGRAM
PROGRAM OUTCOMES

INTRODUCTION: The aim and objectives of National Education Policy 2020 (NEP-2020) are more focused on the holistic development of the students. It aims to transform the education system across various subjects, including Statistics. The program designed to impart the knowledge of various statistical fields theoretically as well as practically through Microsoft Excel and R Software. Some of the key program outcomes for Statistics as per NEP-2020 are as follows:

Program outcome number	Program outcome
PO1	Holistic understanding of Statistics: NEP-2020 shift from the rote learning to a more comprehensive understanding of the subject. At the end of this course, students will understand the basic knowledge of statistics including real-life skill for statistical computing analysis and graphical interpretation using software skill. Hands on training on the problem can be done on the statistical excel to enhance data analysis skill.
PO2	Critical Thinking and Problem Solving: encourages students to understand the concept of probability and their relevance and ability to apply basic probability principles to solve real life problems and ability to deal with problems of attributes. Students will have basic knowledge of R programming with some basic notions for developing their own simple programs and visualizing graphics in R.
PO3	Empirical Approach: After completing this course, a student will have ability to understand the concept of important discrete and continuous distributions and to expose the students to the real life applications of statistical tools. Students will be able to understand the concept of testing of hypothesis. Students will have the ability to understand the multivariate analysis technique.
PO4	Inferential Approach: The main objectives of this course are to provide the knowledge to the students about the theory of estimation and

	its real life applications. Students will learn the concept of testing of hypothesis, null and alternative hypotheses, Type-I and Type-II errors, critical region, level of significance and NP Lemma.
PO5	Research approach: The objective of the course is to expose the students to the real life for research methodology. This course would help the student to understand the use of both primary as well as secondary data and various techniques to collect the data, analyze the data and interpret the results thereafter.
PO6	Knowledge of survey sampling: After completing this course a student will have ability to understand the concept of sampling and how it is different from complete enumeration. Students will learn various probability and non- probability sampling methods along with estimates of population parameters. Ability to identify the situations where the various sampling techniques shall be used.
PO7	Demographic Analysis: Students will be enabling to learn and identify appropriate sources of data, perform basic demographic analysis using various techniques and ensure their comparability across populations. Students will get the knowledge of life table and its applications in demographic analysis. To impart knowledge to the students about the population change, migration, internal and international factors affecting migration, Population estimates and projections.
PO8	Official statistical system in India: Students will learn about the present official statistical system in India and its various methods of collection, role of Panchayati Raj institutions in health system reforms in India, role of MOSPI, NSSO and CSO, National Population Policy, role of NITI AYOJ in Health and population related policies and programme.

PO9	Comparison and Forecasting: The main objective of this course is to provide the knowledge to the students about applied Statistics such as Time Series, Index Numbers and Economic Statistics which are helpful for comparison and forecasting.
PO10	Statistical Quality Control Approach: The main objective of this course is to provide the knowledge to the students about Statistical Quality Control through the use of adequate Statistical Techniques and Actuarial Statistics. Also, students will learn about operation Research techniques.



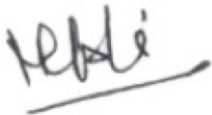
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B.A. IN URDU
FOUR YEARS UNDER GRADUATE PROGRAM
PROGRAM OUTCOMES

Introduction: The undergraduate course in Urdu offered in Bachelor of Arts/Science/B.COM. in Urdu is designed to introduce the students to nuances of Urdu Language. The course aims to introduce the students to different genres of Urdu Literature: Prose, Poetry, Drama, Novels, Short Stories, Non-Fiction, Essays, Journalism, Urdu Linguistics, Computer, Urdu Tanqeed and Urdu Grammar etc.

Program outcome number	Program outcome
PO1	Critical Ability: After the completion of the course, the learner will develop the ability to think critically, creatively and independently. Students will demonstrate creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information Urdu Tanqeed and Tahkeek.
PO2	Communication Skills: Learners will develop the ability to express oneself clearly, both in writing and orally. Students will effectively develop, interpret and express ideas through written, oral and visual communication in Urdu language.
PO3	Cultural and Civilization Understanding: Graduates will demonstrate an understanding of diverse cultures and historical movements and the ways that cultural context shapes texts and their interpretation.
PO4	Historical Understanding: Learners will demonstrate an understanding of the functions and historical development of the Urdu language.
PO5	Improve Urdu Grammar/ Writing skills: Students will heighten their awareness of correct usage of Urdu imla and grammar in writing and speaking. They will be able to write in appropriate Urdu language in order to express themselves accurately.
PO6	Speaking Skill: Students will improve their speaking ability in Urdu both in terms of fluency and comprehensibility

PO7	Reading Skill: Students will improve their reading fluency skills through extensive reading of Primary and Secondary Texts.
PO8	Comprehend primary texts and master secondary texts: Students will demonstrate comprehensive understanding of primary texts in the fields of Urdu, Persian, Hindustani and/or Urdu literature. They will also demonstrate mastery of secondary texts, including literary history, literary criticism, and theory.
PO9	Study Of Progressive Poetry, Language & Grammar: At the end of the course, the students will get an overview of the poetry written under the progressive movement in the Urdu world as well as an understanding of Urdu grammar and elementary subject of Urdu language.
PO10	TANSLATION AND LANGUAGE SKILL: At the end of course, the students will gain the knowledge about Urdu language skills and the genre and tradition of Urdu translation.



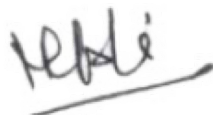
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B.Sc. IN ZOOLOGY
FOUR YEARS UNDER GRADUATE PROGRAM
PROGRAM OUTCOMES

INTRODUCTION: The Bachelor of Science in Zoology program offers a comprehensive exploration into the fascinating world of animals. Through this program, students will learn about the lives, behaviors, and interactions of various species, gaining a deeper understanding of biological and environmental factors that shape their existence. Aspiring zoologists will acquire a diverse range of skills and knowledge that will prepare them for a variety of career and research opportunities, and contributions to the field of life sciences.

Program outcome number	Program outcome
PO1	Knowledge of Zoological Concepts and Principles: Graduates will have a solid understanding of fundamental concepts and principles in various areas of zoology, including animal physiology, ecology, evolution, genetics, and taxonomy.
PO2	Laboratory And Field Skills: Graduates should be proficient in laboratory techniques including specimen preparation, microscopy, data collection and analysis. They will have experience with fieldwork which might involve studying animals in their natural habitats.
PO3	Taxonomic Identification: Graduates will become capable of identifying and classifying different animal species based on morphological, anatomical and molecular characteristics.
PO4	Ethical and Professional Conduct: Graduates will adhere to ethical guidelines in their research and interactions of responsible scientific conduct and contribute positively to the zoological community.
PO5	Evolutionary Knowledge: Students shall be familiar with the principles of evolution and how to apply to the diversity and adaptation of animal species.
PO6	Understanding of Animal Behavior: Students will comprehend the basics of animal behavior and able to analyze and interpret animal interactions, communication and adaptation.

PO7	Scientific Knowledge and Critical Thinking: Graduates shall be able to apply the scientific method to investigate and solve problems related to zoological phenomena. They should demonstrate critical thinking and skills in evaluating scientific information.
PO8	Communication Skills: Graduates will be able to effectively communicate scientific information both in written and oral formats including writing reports, giving presentations and potentially publishing research.
PO9	Research Skills: Students shall possess the ability to conduct independent or collaborative research projects, gather data and analyze results.
PO10	Preparation for future Education and Careers: Students will get equipped with the knowledge and skills needed to pursue advanced studies in zoology or related fields, or to seek employment in various sectors including research institutes, academia, conservation organization and more.



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PROGRAM OUTCOMES OF P.G. FOOD SCIENCE

A Postgraduate (PG) program in Food Science is designed to provide students with an in-depth understanding of various aspects of food science and technology, equipping them with the knowledge and skills necessary to excel in careers related to food production, processing, quality assurance, research, and development.

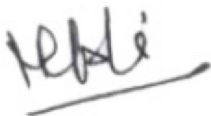
The Program outcomes of a PG program in Food Science typically encompass a wide range of topics within the field. Here's a detailed breakdown of potential Program outcomes:

Program Outcome Number	Program Outcome
<u>PO1</u>	Foundational Knowledge: Graduates will demonstrate a comprehensive understanding of the fundamental principles of food science, including the chemistry, biology, and physics of food components, and the interactions that occur during food processing and storage.
<u>PO2</u>	Food Processing and Engineering: Graduates will be able to analyze, design, and optimize various food processing techniques, including thermal processing, freezing, drying, and fermentation. They will also have a strong grasp of food engineering principles related to heat and mass transfer, fluid dynamics, and unit operations.
<u>PO3</u>	Food Safety and Quality Assurance: Graduates will be proficient in applying principles of food safety management, including Hazard Analysis and Critical Control Points (HACCP) systems, to ensure the production of safe and high-quality food products. They will understand regulatory requirements and be able to implement quality control procedures.
<u>PO4</u>	Food Product Development: Graduates will possess the skills needed to formulate and develop new food products, considering aspects such as ingredient functionality, sensory attributes, shelf life, and consumer preferences. They will be able to innovate and adapt to evolving consumer demands.

<u>PO5</u>	<u>Nutrition and Health:</u> Graduates will be knowledgeable about the nutritional composition of various foods and their impact on human health. They will understand the relationships between diet and diseases and be capable of providing nutritional guidance.
<u>PO6</u>	<u>Food Microbiology and Biotechnology:</u> Graduates will have a strong foundation in food microbiology, understanding microbial growth, spoilage, and safety concerns. They will also be familiar with the principles of food biotechnology, including probiotics, enzymes and fermentation processes.
<u>PO7</u>	<u>Sensory Analysis:</u> Graduates will be skilled in conducting sensory evaluations to assess the sensory attributes of food products, such as taste, texture, aroma, and appearance. They will use statistical tools to analyze sensory data and make informed decisions.
<u>PO8</u>	<u>Food Packaging and Preservation:</u> Graduates will comprehend the principles of food packaging materials, technologies, and their impact on food preservation, shelf life extension, and sustainability. They will understand packaging regulations and environmental considerations.
<u>PO9</u>	<u>Research and Innovation:</u> Graduates will be equipped with research methodologies, experimental design, and data analysis techniques necessary for conducting scientific investigations in food science. They will contribute to advancing knowledge and solving industry challenges.
<u>PO10</u>	<u>Communication Skills:</u> Graduates will be effective communicators, capable of conveying complex scientific concepts to diverse audiences, including consumers, colleagues, and stakeholders. They will be adept at writing technical reports and presenting research findings
<u>PO11</u>	<u>Ethics and Sustainability:</u> Graduates will recognize and address ethical considerations

	in food production, distribution, and consumption. They will also understand the importance of sustainable practices in the food industry and be able to contribute to environmentally responsible solutions
<u>PO12</u>	Industry Collaboration: Graduates will have the ability to work collaboratively within interdisciplinary teams and establish effective partnerships with food industry stakeholders, regulatory agencies, and research institutions.
<u>PO13</u>	Professional Development: Graduates will be prepared for careers in academia, research, industry, or government. They will demonstrate professionalism, adaptability, and a commitment to lifelong learning in the ever-evolving field of food science.

Overall, a PG program in Food Science aims to produce graduates who are well-versed in the scientific, technological, and practical aspects of food production and processing, poised to contribute to advancements in the field and address challenges in the global food industry.



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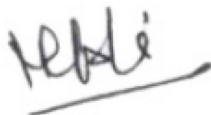
PROGRAM OUTCOMES OF B.A. ENGLISH HONORS

Bachelor of Arts (BA) in English Honors is an undergraduate degree program that focuses on the in-depth study of the English language, literature, and related subjects. The program is designed to provide students with a comprehensive understanding of the English language, its literary traditions, and its cultural significance. As part of the curriculum, students engage in coursework that hones their critical thinking, communication, and analytical skills. The program outcomes of a BA English Honors degree typically include:

Program Number	Program Outcome
<u>PO1</u>	Advanced Literary Analysis: Graduates should be able to demonstrate a deep understanding of various literary genres, styles, and periods. They should be skilled in analyzing literary texts critically, identifying themes, motifs, symbolism, and cultural contexts.
<u>PO2</u>	Effective Communication: Graduates should have honed their written and oral communication skills. They should be able to articulate complex ideas, arguments, and interpretations clearly and persuasively.
<u>PO3</u>	Research Skills: Students should be proficient in conducting independent research, including locating, evaluating, and synthesizing scholarly sources. They should be capable of creating well-researched and well-organized papers.
<u>PO4</u>	Critical Thinking: Graduates should be adept at critical thinking and analysis. They should be able to examine and evaluate different perspectives, theories, and interpretations of literary works.
<u>PO5</u>	Creative Writing: Many programs include creative writing components, so graduates may have the ability to produce their own creative works, such as poetry, short stories, essays, or scripts.

<u>PO6</u>	Cultural and Historical Awareness: Students should have a comprehensive understanding of the historical, cultural, social, and political contexts that influence literature. This includes an awareness of how literature reflects and shapes societies and cultures.
<u>PO7</u>	Interdisciplinary Connections: Graduates may have the skills to connect literature with other disciplines, such as philosophy, history, psychology, and more, in order to gain deeper insights and perspectives
<u>PO8</u>	Presentation Skills: Students may develop the ability to deliver effective presentations, engaging audiences with well-structured and informative talks about literary topics.
<u>PO9</u>	Adaptability and Flexibility: Honors graduates should be able to adapt to new ideas, texts, and literary theories, as well as be open to exploring diverse cultural and literary perspectives.
<u>PO10</u>	Preparation for Further Study: Many Honors programs prepare students for advanced study in English, literature, cultural studies, or related fields at the graduate level.
<u>PO11</u>	Ethical and Professional Values: Graduates may develop an understanding of the ethical responsibilities of engaging with literature, respecting diversity, and promoting inclusivity within the field.

Overall, a BA English Honors program aims to produce graduates who are well-versed in the English language, possess strong analytical and communication skills, and have a deep appreciation for literature and its cultural significance. These outcomes prepare students for a variety of career paths, including writing, teaching, publishing, journalism, content creation, and more.



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PROGRAM OUTCOMES OF B.Sc. CHEMISTRY HONORS

A Bachelor of Science (BSc) Honors degree in Chemistry is designed to provide students with a comprehensive understanding of the fundamental principles and theories of chemistry. The program aims to equip students with both theoretical knowledge and practical skills necessary for a career in various fields related to chemistry.

Here are the detailed program outcomes of a BSc Honors degree in Chemistry:

Program outcome number	Program outcome
<u>PO1</u>	Mastery of Chemical Principles: Graduates will demonstrate a deep understanding of core chemical concepts, including atomic structure, chemical bonding, thermodynamics, kinetics, quantum mechanics, and electrochemistry.
<u>PO2</u>	Laboratory Skills: Students will acquire proficient laboratory skills, including the ability to design and conduct experiments, use modern analytical techniques, handle chemical reagents safely, and accurately analyze and interpret experimental data.
<u>PO3</u>	Critical Thinking and Problem Solving: Graduates will develop strong analytical and critical thinking skills, enabling them to analyze complex chemical problems, propose hypotheses, and design strategies to solve them.
<u>PO4</u>	Theoretical Knowledge: Students will gain advanced knowledge in specialized areas of chemistry, such as organic chemistry, inorganic chemistry, physical chemistry, and analytical chemistry, depending on their chosen specialization.
<u>PO5</u>	Instrumentation and Techniques: Graduates will be proficient in using a range of sophisticated laboratory instruments and techniques.
<u>PO6</u>	Safety and Ethics: Students will demonstrate a strong commitment to laboratory safety protocols and ethical conduct in chemical research and practice.
<u>PO8</u>	Communication Skills: Students will develop effective written and oral communication skills, enabling them to present their research findings in future.

<u>PO9</u>	Interdisciplinary Knowledge: The program will foster an understanding of how chemistry intersects with other scientific disciplines, such as biology, physics, environmental science, and materials science.
<u>PO11</u>	Professional Development: Graduates will be equipped with the skills necessary for successful career in Pharmaceutical industry, Research, Teaching and more.
<u>PO12</u>	Teamwork and Collaboration: Students will learn to collaborate effectively with peers, both within and outside the field of chemistry, in order to solve complex scientific problems.
<u>PO13</u>	Adaptability and Innovation: The program will cultivate the ability to adapt to new developments in chemistry and to apply innovative approaches to problem-solving and research.
<u>PO14</u>	Preparation for Higher Education: Graduates will be well-prepared to pursue advanced studies in chemistry or related fields at the graduate level, such as pursuing a Master's or Ph.D. degree.
<u>PO15</u>	Contributions to Society: Students will understand the societal impact of chemistry and be prepared to contribute positively to areas such as sustainable energy, environmental protection, healthcare, and technology
<u>PO16</u>	Global Perspective: The program may emphasize global challenges in chemistry, such as climate change, pollution, and sustainable resource management, and prepare students to address these issues on a global scale.

Overall, a BSc Honors degree in Chemistry aims to produce well-rounded graduates with a strong foundation in chemical principles, practical skills, and a mindset geared towards scientific inquiry, innovation, and responsible professional practice.

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PROGRAM OUTCOMES OF BCOM

B.Com program will demonstrate the ability to apply analytical skills to evaluate and interpret financial data, enabling them to make informed business decisions. Students will develop a strong foundation in accounting principles and practices, allowing them to prepare and analyse financial statements, manage financial records, and comply with regulatory requirements.

Program Outcome Number	Program Outcome
PO1	Ethical Awareness: Students will be equipped with a strong understanding of ethical principles and their application in the business environment, enabling them to make responsible and morally sound decisions. . They will adhere to professional standards, demonstrate integrity, and uphold the principles of honesty, transparency, and fairness in all aspects of their business practice.
PO2	Financial Management: Graduates will acquire knowledge and skills in financial management, enabling them to analyse investment opportunities, assess risks, and develop strategies to optimize financial resources in an organisation. B.Com course will demonstrate a comprehensive understanding of core business concepts, principles, and theories related to various functional areas such as accounting, finance, marketing and management.
PO3	Entrepreneurial Mind-set: Students will develop an entrepreneurial mind-set, including the ability to identify business opportunities, assess their feasibility, and create innovative solutions for new ventures. Students will be prepared for a wide range of employment opportunities in diverse sectors of the economy, including corporate organizations, government agencies, non-profit organizations, and entrepreneurial ventures. They will have the necessary knowledge, skills, and attributes to contribute effectively to the business world.
PO4	Teamwork and Leadership: Students will develop teamwork and leadership skills, enabling them to collaborate effectively with others, lead diverse teams, and contribute to the achievement of organizational goals..

	They will understand the dynamics of team interactions and be capable of contributing positively to team goals and outcomes.
PO5	Global Business Perspective: Graduates will gain an understanding of global business practices, including international trade, finance, and cultural considerations, enabling them to operate in a globalized business environment.
PO6	Professional Development: Students will develop a commitment to lifelong learning and professional development, actively seeking opportunities to enhance their knowledge and skills in the field of commerce and related areas.
PO7	Business Knowledge: BCom graduates acquire a solid foundation in business principles, including economics, marketing, accounting, finance, management, business law, and organizational behaviour.
PO8	Networking Opportunities: BCom programs enable students to grab networking opportunities through internships, industry partnerships, and alumni connections, helping graduates build valuable professional relationships.
PO9	Career Preparation: The program will prepare students for various career paths, including roles in finance, accounting, marketing, human resources, supply chain management, and more.
PO10	Continuing Education: BCom program can serve as a stepping stone for further education, such as pursuing a Master's in Business Administration (MBA) or specialized master's programs in areas like finance or marketing.

Overall, a BCom degree equips graduates with a versatile skill set that is applicable to a wide range of industries and roles within the business sector. Whether graduates choose to work in established corporations, start their own businesses, or pursue further education, the program outcomes of a BCom degree provide a strong foundation for success in the business world.

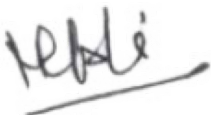
PROGRAM OUTCOMES OF BA (ARTS)

The Bachelor of Arts (BA) in Arts Program is designed to provide students with a comprehensive and enriching education that cultivates creativity, critical thinking, cultural awareness, and practical skills.

Here are some general program outcomes from a Bachelor of Arts program:

Program Outcome Number	Program Outcome
<u>PO1</u>	Critical Thinking: Graduates will be able to analyze and evaluate complex ideas, arguments, and information from various sources, demonstrating the ability to think critically and make informed judgments.
<u>PO2</u>	Effective Communication: Graduates will possess strong written and oral communication skills, enabling them to convey ideas, concepts, and information effectively to diverse audiences.
<u>PO3</u>	Research Skills: Students will acquire research techniques, methodologies, and the ability to gather and synthesize information from multiple sources to develop well-informed projects and papers.
<u>PO4</u>	Cultural and Global Awareness: Graduates will demonstrate an understanding of diverse cultures, societies, and global issues, fostering an appreciation for cultural differences and promoting cross-cultural competence.
<u>PO5</u>	Creativity and Innovation: Students will cultivate creative thinking and problem-solving abilities, enabling them to approach challenges with innovative and imaginative solutions.
<u>PO6</u>	Ethical and Social Responsibility: Graduates will develop an understanding of ethical principles and social responsibilities, and be able to apply these principles to their personal, professional, and civic lives.
<u>PO7</u>	Collaboration and Teamwork: Students will learn to work effectively in teams, respecting

	diverse perspectives and contributing positively to group dynamics.
<u>PO8</u>	Adaptability and Flexibility: Graduates will be prepared to adapt to changing environments and circumstances, demonstrating flexibility and resilience in the face of challenges.
<u>PO9</u>	Lifelong Learning: Students will develop a commitment to continuous learning, adapting to new information, technologies, and trends in their field and beyond.
<u>PO10</u>	Interdisciplinary Perspective: Depending on the specific major or concentration, graduates might gain an interdisciplinary perspective that allows them to bridge different fields of knowledge and contribute to innovative solutions.
<u>PO11</u>	Preparation for Higher Education: The BA program can serve as a foundation for further education, such as pursuing advanced degrees (e.g., Master's or PhD) in various fields, including humanities, social sciences, law, and more.
<u>PO12</u>	Career Readiness: Graduates will be equipped with transferable skills that can be applied to a variety of career paths, including fields such as education, writing, media, public relations, non-profit organizations, and more.



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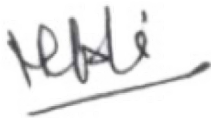
PROGRAM OUTCOMES

Bachelor in Science (BSc Medical):

A Bachelor of Science (BSc) program that encompasses subjects like Biotechnology, Botany, Zoology, Chemistry, Geography, and Food Science and Technology is designed to offer students a comprehensive understanding of various scientific disciplines. This interdisciplinary approach equips graduates with a wide range of skills and knowledge, preparing them for diverse career opportunities or further academic pursuits. Here are the detailed program outcomes for this program:

<u>Program Outcome Number</u>	<u>Program Outcome</u>
<u>PO1</u>	Foundation Knowledge: Graduates will demonstrate a comprehensive knowledge of fundamentals concept , theories and principles in their chosen scientific disciplines including biology,chemistry,physics,mathematics and related fields.
<u>PO2</u>	Laboratory Proficiency: Students will demonstrate practical skills in laboratory settings, safe handling of equipment's, accurate measurement techniques, experimental setup data recording and analysis.
<u>PO3</u>	Interdisciplinary Perspective: students will recognize the interconnectedness of scientific disciplines and understanding how knowledge from different fields contributes to the comprehensive understanding of complex phenomena.
<u>PO4</u>	Ethical Awareness: Graduates will be aware of ethical considerations in scientific research and practice, demonstrating integrity, honesty, respect for the welfare of the society.
<u>PO5</u>	Environmental and social Responsibility: Students will recognize the role of science in addressing environmental and societal challenges , promoting sustainability and betterment of the society.
<u>PO6</u>	Quantitative and Analytical Skill: Students will adept at applying mathematical and statistical techniques to analyse scientific data

	enabling them to draw meaningful conclusion and make evident based decisions.
<u>PO7</u>	Preparation for Higher Studies: Students will be well prepared to pursue advanced studies, such as postgraduation or specialized certifications in their disciplines.



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PROGRAM OUTCOMES

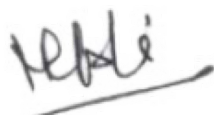
Bachelor in Science (BSc Non-Medical):

The Bachelor of Science in Non-Medical program is designed to provide students with a comprehensive understanding of scientific principles and analytical skills that can be applied across a range of non-medical disciplines. Throughout the course of their studies, students can expect to achieve a variety of program outcomes that prepare them for successful careers and further academic pursuits in fields such as mathematics, physics, computer science, and more.

Here are some key program outcomes of a BSc Non-Medical program:

Program Outcome Number	Program Outcome
<u>PO1</u>	Core Knowledge: Graduates will possess a strong foundational knowledge in physics, chemistry, mathematics, and related disciplines.
<u>PO2</u>	Critical Thinking: Graduates will be able to analyze complex scientific problems, apply logical reasoning, and develop innovative solutions.
<u>PO3</u>	Quantitative Skills: Graduates will demonstrate proficiency in mathematical and statistical techniques, including data analysis, modeling, and problem-solving.
<u>PO4</u>	Laboratory Skills: Graduates will be skilled in conducting experiments, using laboratory equipment, collecting and interpreting data, and maintaining safety protocols.
<u>PO5</u>	Scientific Communication: Graduates will be able to effectively communicate scientific concepts and research findings through written reports, oral presentations, and visual aids.
<u>PO6</u>	Interdisciplinary Integration: Graduates will understand the interconnections between different scientific disciplines and apply this knowledge to solve multidisciplinary problems.

<u>PO7</u>	Technology Utilization: Graduates will be adept at utilizing technology, software tools, and computational methods relevant to scientific research and analysis.
<u>PO8</u>	Ethical and Professional Behavior: Graduates will demonstrate ethical behavior, integrity, and professionalism in their scientific work and interactions.
<u>PO9</u>	Research Skills: Graduates will be able to design and conduct scientific research, gather relevant information, and critically evaluate existing literature.
<u>PO10</u>	Problem Solving: Graduates will apply scientific principles to real-world problems, make informed decisions, and contribute to advancements in various industries
<u>PO11</u>	Teamwork and Collaboration: Graduates will collaborate effectively in interdisciplinary teams, recognizing the value of diverse perspectives and skills.
<u>PO12</u>	Life-long Learning: Graduates will recognize the importance of continuous learning and professional development, staying updated with new scientific developments and methodologies.
<u>PO13</u>	Environmental Awareness: Graduates will understand the implications of scientific activities on the environment and society, promoting sustainability and responsible practices.
<u>PO14</u>	Global Perspective: Graduates will appreciate the global impact of scientific advancements and understand how science contributes to global challenges and solutions.



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These program outcomes aim to equip graduates of a B.Sc. Non-Medical program with a strong foundation in scientific principles, analytical skills, and the ability to contribute meaningfully to various scientific fields and industries.

PROGRAM OUTCOMES OF B.Sc. HOME SCIENCE

Bachelor of Science (BSc) in Home Science is an interdisciplinary field that encompasses various aspects of home management, family dynamics, nutrition, clothing and textiles, child development, and consumer economics. The course aims to provide students with a comprehensive understanding of the scientific and practical dimensions of managing a home and promoting the well-being of individuals and families.

Below are detailed course outcomes for a BSc in Home Science program:

PROGRAM OUTCOME NUMBER	PROGRAM OUTCOME
PO1	<p>Foundations of Home Science: Understand the historical and theoretical foundations of home science as a discipline. Gain insights into the role and importance of home science in promoting family and community well-being. Develop an appreciation for the multidisciplinary nature of home science and its integration with other fields.</p>
PO2	<p>Nutrition and Dietetics: Acquire knowledge of the principles of nutrition and their application in planning balanced diets. Understand the nutritional requirements at different life stages and for various health conditions. Learn to assess and manage dietary needs and make informed food choices for individuals and families. Develop skills in meal planning, food preparation, and menu development to promote health and prevent nutritional deficiencies.</p>
PO3	<p>Child Development and Family Studies: Explore theories of child development and gain insights into physical, cognitive, emotional, and social growth stages. Understand the factors influencing child development and learn strategies for fostering optimal growth and learning. Analyze family dynamics, roles, and relationships to promote effective communication and support within families.</p>

PO4	<p>Clothing and Textiles: Learn about the properties and characteristics of various textiles, fabrics, and materials. Develop expertise in garment construction, pattern-making, and clothing design. Acquire knowledge of fashion trends, personal style, and wardrobe planning for individuals and families. Understand sustainable practices in clothing and textiles, including eco-friendly choices and textile conservation.</p>
PO5.	<p>Resource Management: Develop skills in financial management, budgeting, and resource allocation for households. Learn about energy-efficient practices, waste management, and sustainable living to promote environmental stewardship. Explore principles of time management, organizational skills, and effective utilization of resources.</p>
PO6	<p>Human Development and Family Relations: Gain insights into human behavior and psychological development across the lifespan. Understand the dynamics of interpersonal relationships, communication, and conflict resolution within families. Learn strategies for promoting healthy family interactions and addressing challenges such as parenting, aging, and crisis management.</p>
PO7	<p>Extension and Communication: Develop effective communication skills to disseminate knowledge related to home science to diverse audiences. Learn about community engagement, outreach programs, and strategies for promoting health and well-being within communities. Acquire skills in designing and conducting workshops, seminars, and awareness campaigns.</p>

<p style="text-align: center;">PO8</p>	<p>Research Methods and Statistics: Gain proficiency in research methodologies, data collection, and analysis techniques relevant to home science. Develop the ability to critically evaluate research studies and apply evidence-based approaches in decision-making. Undertake independent research projects to explore topics of interest within the field of home science.</p>
<p style="text-align: center;">PO9</p>	<p>Food Safety and Hygiene: Understand the principles of food safety, sanitation, and hygiene in food handling and preparation. Learn about foodborne illnesses, risk assessment, and measures to ensure safe and healthy food practices. Acquire skills in maintaining cleanliness and hygiene in domestic and community settings.</p>
<p style="text-align: center;">PO10</p>	<p>Entrepreneurship and Career Development: Explore opportunities for entrepreneurship within the home science field, such as catering, event planning, and consultancy services. Develop business acumen, marketing strategies, and financial planning skills for entrepreneurial ventures. Gain insights into potential career paths in education, research, public health, community development, and other related areas.</p>

Overall, the BSc in Home Science aims to equip students with a well-rounded understanding of home management, family dynamics, nutrition, textiles, and various aspects of human development. Graduates of this program should be prepared to contribute to the well-being of individuals and families through informed decision-making, effective communication, and practical application of home science principles.

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GOVERNMENT COLLEGE FOR WOMEN GANDHINAGAR, JAMMU



COURSE OUTCOMES



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Principal

Department of Biotechnology
Govt. College for Women, Gandhi Nagar, Jammu

Course Outcomes

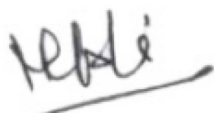
Course Title Course Code Sem 1st/ 2nd/3rd.	Biotechnology and Human Welfare (Multidisciplinary) <u>1BTCMULDC01</u>
CO 1	After Completion of the course students shall be able to: Develop a solid understanding of the fundamental principles and concepts of biotechnology and its applications in various fields related to human welfare.
CO2	Analyze the impact of biotechnological advancements on human welfare, including improved healthcare, sustainable agriculture, and environmental conservation.
CO3	Evaluate the ethical and social implications of biotechnology, and explore ways to address potential challenges and concerns related to its applications in human welfare.
CO4	Apply knowledge gained from the course to propose and design biotechnological solutions aimed at addressing real-world issues in human health, food security, and environmental sustainability.
Course Title Course Code Sem 1st	CELL AND MOLECULAR BIOLOGY <u>1BTCTC0101</u>
CO1	After Completion of the course students shall be able to: Understand the fundamental concepts of cell structure and organization at the molecular level.
CO2	Demonstrate proficiency in laboratory techniques used in cell and molecular biology research.
CO3	Analyze cellular processes, such as DNA replication and protein synthesis, and their regulation.
CO4	Apply the knowledge of cell and molecular biology to comprehend various biological phenomena and diseases.
Course Title: Course Code: Sem 1st	Laboratory Techniques in Microbiology (Skill Enhancement Courses) <u>1BTCSEC0101</u>

CO1	After Completion of the course students shall be able to: Acquire practical skills in handling microorganisms and performing various microbiological techniques.
CO2	Demonstrate competence in aseptic techniques and microbial culture methods.
CO3	Apply different staining and microscopy methods to identify and characterize microorganisms.
CO4	Analyze and interpret experimental data obtained from microbiological experiments.
Course Title: Course Code: Sem 2nd	BIOCHEMISTRY METABOLISM & ENZYMOLOGY 1BTCTC0201
CO1	After Completion of the course students shall be able to: Comprehend the biochemical principles underlying cellular metabolism and energy transformations.
CO2	Analyze enzyme kinetics and mechanisms to understand their role in catalyzing biochemical reactions
CO3	Demonstrate knowledge of metabolic pathways and their regulation in various cellular conditions
CO4	Apply the understanding of biochemistry to explain metabolic disorders and develop potential therapeutic approaches.
Course Title: Course Code: Sem 2nd	Instrumentation and Basic Laboratory techniques 1BTCSEC0201
CO1	After Completion of the course students will be able to: Gain proficiency in handling common laboratory instruments and equipment.
CO2	Understand the principles and applications of various analytical techniques.
CO3	Demonstrate the ability to troubleshoot and calibrate laboratory instruments.
CO4	Apply instrumentation techniques to perform quantitative analyses in different scientific disciplines.
Course Title: Course Code: Sem 2nd	Molecules of Life 1BTCMJT0201
CO1	After Completion of the course students will be able to: Understand the structure and function of biomolecules such as proteins, nucleic acids, lipids, and carbohydrates.

CO2	Analyze the role of biomolecules in various cellular processes and their significance in living organisms.
CO3	Explore the interactions between biomolecules and their relevance to molecular biology and biochemistry.
CO4	Apply the knowledge of biomolecules to study molecular diseases and design potential therapeutic interventions
Course Title: Course Code: Sem 3rd	<u>MICROBIOLOGY & FERMENTATION TECHNOLOGY</u> <u>1BTCTC0301</u>
CO1	After Completion of the course students shall be able to: Comprehend the diversity and characteristics of microorganisms in different environments.
CO2	Analyze the principles and applications of fermentation processes in biotechnology and industry.
CO3	Demonstrate knowledge of microbial growth and control measures in fermentation technology
CO4	Apply microbiological techniques to optimize fermentation processes for desired product outcomes.
Course Title Course Code: Sem 3rd	<u>INSTRUMENTATION AND BIO- ANALYTICAL TOOLS</u> <u>1BTCSE0301</u>
CO1	After Completion of the course students shall be able to: Familiarize with advanced bio-analytical tools and techniques used in research and diagnostics.
CO2	Understand the principles and applications of molecular and cellular analysis methods.
CO3	Develop proficiency in data interpretation and analysis using bio-analytical instruments.
CO4	Apply bio-analytical tools to address research questions and solve practical problems.
Course Title: Course Code: Sem 3rd	<u>Plant Tissue Culture</u> <u>1BTCSE0302</u>
	After Completion of the course students will be able to:

CO1	Learn the principles and techniques of plant tissue culture and micropropagation.
CO2	Understand the factors influencing plant growth and differentiation in vitro.
CO3	Demonstrate the ability to culture and maintain plant cells, tissues, and organs in a controlled environment
CO4	Apply tissue culture methods for the propagation and improvement of plants for agricultural and horticultural purposes.
Course Title: Course Code: Sem 4th	IMMUNOLOGY AND GENETIC ENGINEERING <u>1BTCTC0401</u>
CO1	After Completion of the course students shall be able to: Comprehend the immune system's function, components, and responses to pathogens.
CO2	Analyze the principles and techniques of genetic engineering and its applications in biotechnology.
CO3	Demonstrate knowledge of recombinant DNA technology and gene manipulation in various organisms.
CO4	Apply immunological and genetic engineering approaches to address medical and agricultural challenges.
Course Title: Course Code: Sem 4th	INDUSTRIAL BIOTECHNOLOGY AND BIOPROCESS ENGINEERING <u>1BTCSE0401</u>
CO1	After Completion of the course students shall be able to: Understand the principles and applications of biotechnology in industrial processes.
CO2	Analyze the design and optimization of bioprocesses for the production of valuable products.
CO3	Demonstrate knowledge of bioreactor operation and downstream processing techniques.
CO4	Apply industrial biotechnology concepts to develop sustainable and economically viable bioprocesses
Course Title: Course Code: Sem 4th	GENETICS <u>1BTSE0402</u>
	After Completion of the course students shall be able to:

CO1	Gain an understanding of the principles of genetics, inheritance patterns, and genetic variation.
CO2	Analyze the molecular mechanisms of gene expression and regulation.
CO3	Demonstrate knowledge of genetic technologies and their role in studying and manipulating genes.
CO4	Apply genetic principles to analyze and interpret genetic data and solve genetic problems.
Course Title: Course Code: Sem 5th	<u>Environmental Biotechnology</u> <u>1BTCDE0501</u>
CO1	After Completion of the course students will be able to: Comprehend the application of biotechnology in environmental conservation and pollution control.
CO2	Analyze the use of microorganisms in bioremediation and waste treatment processes.
CO3	Demonstrate knowledge of environmental monitoring and assessment techniques.
CO4	Apply environmental biotechnology approaches to address environmental challenges and promote sustainability.
Course Title: Course Code: Sem 5th	<u>Medical Biotechnology</u> <u>1BTCDE0502</u>
CO1	After Completion of the course students shall be able to: Understand the principles of medical biotechnology and its applications in diagnosing, treating, and preventing human diseases.
CO2	Analyze the role of biotechnological tools and techniques in the development of novel medical therapies and personalized medicine.
CO3	Explore the ethical, legal, and regulatory aspects related to medical biotechnology research and its implications for patient care and safety.
CO4	Apply knowledge gained in medical biotechnology to propose innovative solutions for addressing health challenges and improving health outcomes.

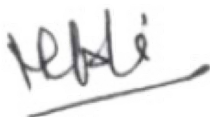


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Course Title: Course Code: Sem 5th	INTELLECTUAL PROPERTY RIGHTS AND BIOINFORMATICS <u>1BTCSE0501</u>
CO1	After Completion of the course students shall be able to: Comprehend the importance of intellectual property rights in protecting biotechnological innovations and inventions.
CO2	Analyze the legal frameworks and regulations governing intellectual property in the context of biotechnology.
CO3	Understand the role of bioinformatics in organizing, analyzing, and interpreting biological data for research and development in biotechnology
CO4	Apply the knowledge of intellectual property and bioinformatics to support and protect biotechnological research and commercialization efforts
Course Title: Course Code: Sem 5th	BIOTECHNOLOGY AND HUMAN WELFARE <u>1BTCSE0502</u>
CO1	After Completion of the course students shall be able to: Develop a comprehensive understanding of biotechnological applications and their impact on human welfare and societal well-being.
CO2	Analyze the ethical, social, and environmental implications of biotechnological advancements in various areas such as healthcare, agriculture, and the environment.
CO3	Evaluate the potential of biotechnology to address global challenges related to food security, public health, and environmental sustainability.
CO4	Propose innovative biotechnological solutions that contribute to human welfare, promote social equity, and address pressing global issues.
Course Title: Course Code: Sem 6th	Food Biotechnology <u>1BTCDE0601</u>
CO1	After Completion of the course students shall be able to: Comprehend the applications of biotechnology in food production, processing, and safety.
CO2	Analyze the role of genetically modified organisms (GMOs) and biotechnological interventions in addressing food security and nutritional challenges.

C03	Understand the regulatory frameworks and safety assessments related to biotechnological innovations in the food industry.
CO4	Apply knowledge of food biotechnology to design and improve food products for enhanced nutritional content and longer shelf life.
Course Title: Course Code: Sem6th	<u>Biostatistics and Bioinformatics</u> <u>1BTCDE0602</u>
CO1	After Completion of the course students shall be able to: Acquire proficiency in statistical methods and data analysis techniques used in biotechnological research and experiments.
CO2	Understand the applications of bioinformatics tools and databases for analyzing biological data and conducting genomic research
CO3	Analyze and interpret experimental data using statistical software and bioinformatics tools to draw meaningful conclusions.
CO4	Apply biostatistical and bioinformatics methods to support research in various biotechnological domains, such as genomics, proteomics, and drug discovery
Course Title: Course Code: Sem 6th	<u>PLANT AND ANIMAL BIOTECHNOLOGY</u> <u>1BTCSE0601</u>
CO1	After Completion of the course students shall be able to: Gain knowledge of biotechnological techniques used in plant and animal breeding, transgenic research, and improvement of agricultural productivity.
CO2	Understand the potential of plant biotechnology in developing stress-tolerant crops and sustainable agricultural practices.
CO3	Analyze the ethical considerations related to genetically modified organisms (GMOs) and their impact on ecosystems and human health.
CO4	Apply plant and animal biotechnological approaches to address challenges in food production, conservation, and the preservation of biodiversity.
Course Title: Course Code: Sem 6th	<u>ANIMAL BIOTECHNOLOGY</u> <u>1BTCSE0602</u>
	After Completion of the course students shall be able to:

CO1	Comprehend the principles of animal biotechnology and its applications in improving livestock productivity and animal health.
CO2	Analyze the role of genetic engineering and reproductive technologies in animal breeding and disease resistance
CO3	Understand the ethical and regulatory aspects of animal biotechnological research and its implications for animal welfare.
CO4	Apply knowledge of animal biotechnology to propose innovative solutions for sustainable livestock management and veterinary care.



Principal

Department of Botany

Govt. College for women, Gandhinagar, Jammu

Course Outcomes

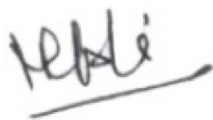
Course Outcome Number	Course Outcome
Course Title Course Code Sem 1st	Elementary Botany-1 1BOTMJT0101
CO1	On completion of the Course: The students will understand the concept and diversity of living organisms and their classification.
CO2	The students will acquire elementary knowledge about microbial world and importance of microbes.
CO3	They will understand the basic architecture of plant
CO4	The students will understand the Structure and functions of flower, Fruits and Seed.
Course Title Course Code Sem 1st	Elementary Botany 1BOTMNT0101
CO 1	On completion of the Course: The students will understand the concept and diversity of living organisms and their classification.
CO2	The students will acquire elementary knowledge about microbial world and importance of microbes.
CO3	They will understand the basic architecture of plant
CO4	The students will understand the Structure and functions of flower, Fruits and Seed.
Course Title Course Code Sem 1st	Mushroom Cultivation-1 1BOTSEC0101
CO1	On completion of the Course: The students will understand the world of Fungi- structure, classification and thallus organization in different groups.
CO2	The will have knowledge about the types of nutrition and Reproduction in fungi.
CO3	They will understand the history and types of Mushroom.
CO4	The students will understand the importance of edible Mushroom- <i>Agaricus</i> and <i>Morchella</i>

Course Title Course Code Sem 1st	Plant Resource Utilization Course 1BOTMULDC01
CO1	On completion of the Course: The students will have the knowledge of important plant resources- their products and utilization
CO2	They will understand the origin, distribution and cultivation of economically important plants
CO3	The students will also gain knowledge about various medicinal, fibre yielding, energy plantation and economically important industrial plants
Course Title Course Code Sem 2nd	Cell Biology 1BOTMJT0201
CO1	On completion of the Course: The students will have the knowledge of the structure and purposes of basic components of prokaryotic and eukaryotic cells, especially macromolecules, membranes and organelles.
CO2	They will also gain knowledge about the cellular components, genomic organisation, linkage, Recombination and transposable elements.
Course Title Course Code Sem 2nd	Cell Biology 1BOTMNT0201
CO1	The students will have the knowledge of the structure and purposes of basic components of prokaryotic and eukaryotic cells, especially macromolecules, membranes and organelles
CO2	They will also gain knowledge about the cellular components, genomic organisation, linkage, Recombination and transposable elements.
Course Title Course Code Sem 2nd	Mushroom Cultivation-II 1BOTSEC0201
CO1	On completion of the Course: The students will understand and know about the composition, nutritional value and medicinal properties of mushroom.
CO2	They will acquire elementary knowledge about the identification and toxicological effects of poisonous mushrooms.
CO3	The students will understand the ecology and distribution of Mushrooms.
CO4	The students will gain the knowledge of collection techniques and traditional uses of wild Mushroom.
Course Title Course Code Sem 2nd	Plant Resource Utilization 1BOTMULDC01
CO1	On completion of the Course: The students will have the knowledge of important plant resources- their

	products and utilization
CO2	They will understand the origin, distribution and cultivation of economically important plants
CO3	The students will also gain knowledge about various medicinal, fibre yielding, energy plantation and economically important industrial plants
Course Title Course Code Sem 3rd	Plant Anatomy and Embryology IBOTTCO301
CO1	On completion of the Course: The students will have the knowledge about morphology, anatomy and function of the flowering plants.
CO2	The students will understand the structure, development of flower, the dispersal mechanism in seeds, seed dormancy and polyembryony in angiosperms
Course Title Course Code Sem 3rd	Nursery, Gardening and Floriculture IBOTSE0301
CO1	On completion of the Course: The students will be able to acquire knowledge about the skills necessary for setting up and management of nurseries and gardens.
CO2	The students will have the knowledge of business management of nurseries and floriculture.
Course Title Course Code Sem 4th	Plant Physiology and Metabolism IBOTTC0401
CO1	On completion of the Course: The students will understand the mechanisms of Enzyme action, absorption of water and minerals, solute transport. the process of Photosynthesis, respiration, nitrogen and fat metabolism.
CO2	They will also gain knowledge about the role of various plant hormones, response of plants to environmental factors especially light and temperature.
Course Title: Course Code: Sem 4th	Biofertilizers IBOTSE0401
CO1	On completion of the Course: The students will made aware about Biofertilizers, their types and application of various types of Biofertilizers.
CO2	The students will gain knowledge about the need for use of Biofertilizers in agriculture.
CO3	They will also develop the skill to set up vermicompost units.

Course Title: Course Code: Sem 5th	Cell & Molecular Biology and Genetics 1BOTDE0501
CO1	On completion of the Course: The students will have the knowledge of Basic structure, functions of cell, its organelles, DNA as the heredity material, significance of cell divisions, Extranuclear genomes organisation of DNA in prokaryotes and eukaryotes.
CO2	The students will also understand the Process of protein synthesis and role of different types of RNAs in protein synthesis, Inter and Intrachromosomal aberrations, their types and effects
Course Title: Course Code: Sem 5th	Mushroom Cultivation technology 1BOTSE0501
CO1	On completion of the Course: The students will have the skill of mushroom cultivation
CO2	They will also acquire elementary knowledge about general account of edible and poisonous mushrooms
CO3	The students will understand and know about diseases, storage, Nutritional and Medicinal value of mushrooms
Course Title: Course Code: Sem 6th	Economic Botany and Biotechnology Course code: 1BOTDE0601
CO1	On completion of the Course: The students will have the knowledge of history, origin and cultivation of cereals, pulses, millets and fibre plants
CO2	The students will also gain knowledge about the Cultivation and processing of Cotton, Jute, tea and coffee; some common spices and medicinal plants of J&K, Timber yielding and firewood plants of J&K; cultivation and uses of some fruits and oil yielding crops; sources, extraction and processing of rubber.
CO3	The students will gain knowledge about tools, techniques and applications of recombinant DNA technology, requirements for tissue culture technique and different types of tissue cultures
Course Title: Course Code: Sem 6th	Ethnobotany 1BOTSE0602
CO1	On completion of the Course: The students will be well equipped with the knowledge of ethno-botanical studies which involve collection of plants and their identification; preparation of Herbaria; collection of data from various sources like fossils, ancient literature and archaeological resources.

CO2	The students will gain knowledge of the role of temples, sacred places in plant conservation and role of ethno-botany in modern medicine.
CO3	The students will a understand the concept of RET taxa, role of IUCN and BSI in plant conservation, knowledge of intellectual property rights, biopiracy and biodiversity laws in India.



Principal

Department of ChemistryGovt. College for women, Gandhinagar, JammuCourse Outcomes

Course outcome number	Course outcome
Sem I	
Course Title	Atomic Structure, Bonding, General Organic chemistry and Aliphatic hydrocarbons
Course Code	1CHMTC0101
CO1	Students will be able to describe the basic concept of Quantum mechanics including quantum numbers, Wave equation, Wave functions and Electronic configuration.
CO2	Students will have knowledge of Ionic bonding, covalent bonding and MO approach
CO3	Students will gain knowledge about bioinorganic chemistry including role of metal ions in biological system
CO4	Students will have knowledge about fundamentals of organic chemistry and stereochemistry
CO5	Students will understand preparation and chemical reactions of aliphatic hydrocarbons.
Course Title	Atomic Structure, Bonding, General Organic chemistry and Aliphatic hydrocarbons
Course Code	1CHMPC0101
CO1	Students will gain practical knowledge on volumetric analysis including estimation of oxalic acid and Mohr's salt by permanganometry.
CO2	Students will gain practical knowledge on volumetric analysis including estimation of iron by dichrometry.
CO3	Students will be able to perform estimation of sodium carbonate and sodium bicarbonate present in a mixture.
CO4	Students will gain practical knowledge on elemental detection including detection of Nitrogen, Sulphur and halogens.
CO5	Students will gain practical knowledge on separation by chromatography techniques.

<u>Sem II</u>	
Course Title Course Code	Chemical Energetics, Equilibria & Functional Organic Chemistry 1CHMTC0201
CO1	Students will be able to explain the basic concept of Thermochemistry and laws of thermodynamics.
CO2	Students will be able to describe the basic concepts of Chemical and Ionic Equilibria.
CO3	Students will have detailed concept of the properties, preparation and reactions of Alkyl & Aryl Halides, Alcohols & Ketones.
CO4	Students will have basic understanding of preparation and reactions of alcohols and phenols
CO5	Students will have basic concept of Aromatic hydrocarbons and heteronuclear aromatic compounds
Course Title Course Code	Chemical Energetics, Equilibria & Functional Organic Chemistry 1CHMPC0201
CO1	On completion of the course: the students will be able to perform heat capacity measurements
CO2	The student will be able to determine enthalpy of neutralization and ionization
CO3	The students will be able to perform purification of organic compounds by crystallization.
CO4	The students will be able to determine melting point of various compounds by different techniques.
CO5	The students will be able to perform bromination and benzylation of phenol/ aniline
<u>Sem III</u>	
Course Title Course Code	Functional Group Organic Chemistry IV, Solution, Phase Equilibrium, Electrochemistry & States of Matter-I 1CHMTC0301
CO1	On completion of the course, the students will be able to explain preparations and reactions of carboxylic acids and their derivatives
CO2	The students have knowledge about preparation and reactions of Amino Acids, Peptides and Proteins.
CO3	The students have conceptual knowledge of ideal and non-ideal solutions, Phase Equilibrium and Phase diagrams.
CO4	The students have basic concepts of conductivity, conductivity measurements, reversible and irreversible cells.
CO5	The students have knowledge about behavior of ideal and real gases.
Course Title	Functional Group Organic Chemistry IV, Solution, Phase Equilibrium, Electrochemistry & States of Matter-I

Course Code	1CHMPC0301
CO1	Upon successful completion of this course students are able to construct phase diagram of a binary system (simple eutectic) using cooling curves and determine critical solution temperature of phenol-water system.
CO2	Students will be able to determine cell constant, perform conductometric titrations of strong acid vs. strong base and weak acid vs. strong base.
CO3	Student will be able to perform systematic Qualitative Analysis of Organic Compounds possessing monofunctional groups (-COOH, phenolic, aldehydic, ketonic, amide, nitro, amines) and preparation of one derivative.
CO4	Student will be able to perform separation of amino acids by paper chromatography and determination of the concentration of glycine solution by formylation method.
CO5	Student will be able to study action of salivary amylase on starch, effect of temperature on the action of salivary amylase on starch, differentiation between a reducing and a non-reducing sugar.
Course Title Course Code	Pesticide and Green methods in chemistry 1CHMSE0301
CO1	On completion of the course: Students have knowledge of pesticides, their benefits and adverse effects.
CO2	Students have knowledge of synthesis and Industrial manufacture of pesticides.
CO3	Students have knowledge of principles of Green Chemistry, Catalysis, and Alternative Energy sources
CO4	Students gain knowledge on various surfactants and designing of environmentally safe marine antifoulant.
CO5	Students gain knowledge of basic concept of Green synthesis of pigments.
Sem IV	
Course Title Course Code	States of Matter-II, Chemical Kinetics, Coordination Chemistry 1CHMTC0401
CO1	On completion of the course: The students have knowledge about basic concepts of Solid State including crystal structure, Bragg's law and symmetry elements.
CO2	The students have knowledge about basic concepts of reaction rates, order of reaction and general methods for determination of order of reaction
CO3	Students have understanding of general properties of transition

	elements, Lanthanides and actinides
CO4	Students have understanding of Coordination complexes: nomenclature, isomerism and reactions
CO5	Students have understanding of coordination complexes, crystal field theory and its applications and substitution reactions.
Course Title Course Code	States of Matter-II, Chemical Kinetics, Coordination Chemistry 1CHMPC0401
CO1	On completion of the course: The students will be able to analyze any inorganic salt mixture for acid and basic radicals.
CO2	The student will be able to determine surface tension of solutions with variable concentrations
CO3	The students will be able to determine Viscosity of solutions with variable concentrations
CO4	The students will be able to determine order of reaction for acid hydrolysis of ethyl acetate
Course Title Course Code	Pharmaceutical Chemistry and Analytical Clinical Biochemistry 1CHMSE0401
CO1	On completion of the course, The students have knowledge about biological importance of carbohydrates, proteins, enzymes and lipids.
CO2	The students have knowledge about biological importance of triglycerides, phosphoglycerides and cholesterol
CO3	Students have understanding about biochemistry of steroid and peptide, hormones, biological roles of nucleic acids.
CO4	The students gain basic knowledge about synthesis of drugs.
CO5	Students have understanding about composition and functions of blood and collection and preservation of urine sample.
Sem V	
Course Title Course Code	IPR and Business Skill for chemist 1CHMSE0501
CO1	On completion of the course: The students have knowledge about main features of each of the major IPRs and identify the IPR or IPRs applicable to specific items.
CO2	The students will be able to compare the features and protection afforded by each IPR and advise a commercial client on the IP rights which can be used to protect its specific business assets.
CO3	Students will gain understanding about artificial intelligence in IP
CO4	Students gain understanding about application of the criteria for unregistered and registered design right protection.

CO5	The students will be able to analyze whether design rights have been infringed; and evaluate the overlap between copyright and design rights.
Course Title Course Code	Inorganic Materials of Industrial Importance 1CHMDE0501
CO1	On completion of the course: The students gain knowledge about properties of s and p-block elements.
CO2	The students gain understanding about manufacturing, processing and properties of glass and ceramics.
CO3	The students will gain understanding about fertilizer and chemical explosives.
CO4	The students will gain knowledge about cements and surface coatings including objectives of surface coatings, composition and properties of coatings.
CO5	The students will gain knowledge about alloys and catalysis including general principles and properties of catalysts.
Course Title Course Code	Inorganic materials of industrial importance 1CHMDP0501
CO1	On completion of the course: The student will be able to prepare pigment ZnO.
CO2	The students will be able to analyze cement to find percentage of SiO ₂ , CaO, Al ₂ O ₃
CO3	The students will be able to perform estimation of Ni, Cu.
CO4	The students will be able to determine composition of dolomite by complexometric titrations.
CO5	The students will gain practical knowledge about estimation of phosphoric acid in superphosphate
Sem VI	
Course Title Course Code	Molecules of Life 1CHMDE0601
CO1	On completion of the course, The student will gain knowledge about carbohydrates: types, structure and their roles in biological systems.
CO2	The student will gain understanding about proteins, their composition, structure and biological role.
CO3	The student will gain knowledge about enzymes, their working and biological significance.
CO4	The student will get basic knowledge about nucleic acids, their chemical composition, structure of DNA and RNA and their role in controlling the process of protein synthesis.

CO5	The student will gain understanding about lipids and energy in biosystems.
Course Title Course Code	Molecules of Life 1CHMDP0601
CO1	On completion of the course: The students will be able to distinguish practically between reducing and non-reducing sugars
CO2	The students will be able to determine the saponification value and iodine value of oils
CO3	The students will be able to explain the effect of temperature on activity of enzymes.
CO4	The students will have knowledge about working of enzymes.
Course Title Course Code	Basic Analytical and Environmental Chemistry 1CHMSE0601
CO1	On completion of the course: The student gain knowledge about analytical chemistry, analysis of soil, water sampling and water purification methods.
CO2	The students gain understanding of various types of chromatographic techniques.
CO3	The students gain understanding about chemical analysis including gravimetric and volumetric analysis.
CO4	The students gain understanding about various aspects of atmosphere including composition, structure, major air pollutants, ozone depletion and air pollution control measures.
CO5	The students gain knowledge about hydrosphere, various types of water pollutants, water pollution control measures and waste water treatment.

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Principal

Department of ChemistryGovt. College for women, Gandhinagar, JammuCourse outcomes of Chemistry Honors

Course Outcome number	Course Outcome
B.Sc. Chemistry (Hons) Sem I	
Course Title Course code	Inorganic Chemistry-I 3CHMTC0101
CO1	On completion of the course students shall have conceptual knowledge of atomic structure including quantum numbers, Wave equation, Wave functions and rules for filling electrons in orbitals.
CO2	Students will have knowledge of periodic properties of s and p-block elements including ionization enthalpy, electronegativity etc.
CO3	Students will have knowledge of General principles of Ionic bonding and covalent bonding
CO4	On completion of the course students shall have conceptual knowledge of Molecular orbital approach and VSEPR theory.
CO5	Students will have knowledge of types of bonding in chemical compounds
Course Title Course code	Inorganic Chemistry I 3CHMPC0101
CO1	On course completion, student shall gain practical knowledge on Volumetric analysis including calibration and use of apparatus.
CO2	On course completion, student shall gain practical knowledge on Acid-base titrations.
CO3	On course completion, student shall gain practical knowledge on Oxidation-reduction titrimetric.
Course Title Course code	Physical Chemistry-I 3CHMTC0102
CO1	On completion of the course, student should have conceptual knowledge of properties of gases including behavior of ideal and real gases.
CO2	On completion of the course, students should have knowledge of physical properties of water.
CO3	On course completion, the students should have basic concepts of Solid State chemistry including crystal structure, Bragg's law and symmetry elements.
CO4	On course completion, students should have conceptual knowledge of electrolytes, degree of ionization, common ion effect and salt hydrolysis.

CO5	On completion of the course, students should have understanding of buffer solutions, solubility product and indicators.
Course Title Course code	Physical Chemistry-I 3CHMPC0102
CO1	On course completion, student shall gain practical knowledge on surface tension measurements using stalagmometer.
CO2	On course completion, student shall gain practical knowledge on viscosity measurements using Ostwald's viscometer.
CO3	On course completion, student shall have understanding of indexing a powder diffraction pattern of a cubic crystalline system.
CO4	On course completion, student should be able to prepare buffer solutions of different pH values.
CO5	On course completion, student shall gain practical knowledge on pH metric titrations.
B.Sc Chemistry (Hons) Sem II	
Course Title Course code	Organic Chemistry - I 3CHMTC0201
CO1	On completion of course, students will have conceptual knowledge of hybridization, shapes of molecules, electronic displacements and stereochemistry.
CO2	On completion of course, students will have knowledge of optical isomerism in organic compounds and conformational analysis of alkanes.
CO3	On completion of course, students will have knowledge of preparation, physical and chemical properties of alkanes and alkenes.
CO4	On completion of course, students will have conceptual knowledge of preparation and reactions of alkynes.
CO5	On completion of course, students will have knowledge of aromatic hydrocarbons including Aromaticity and electrophilic aromatic substitution reactions.
Course Title Course code	Organic Chemistry - I 3CHMPC0201
CO1	On course completion, student shall gain practical knowledge on calibration of the thermometer.
CO2	On completion of course, students shall be able to perform purification of organic compounds by crystallization.
CO3	On completion of course, students will be able to determine melting points of unknown organic compounds using different methods.
CO4	On completion of course, students will be able to determine boiling points of liquid compounds.
CO5	On completion of course, students will be able to perform separation of

	amino acids, sugars and phenols by paper chromatography.
CO6	On completion of course, students will be able to detect extra elements.
Course Title Course code	Physical chemistry-II 3CHMTC0202
CO1	On completion of the course, student should gain knowledge of types of systems, first law of chemical thermodynamics including concept of heat, internal energy and thermo chemistry.
CO2	On completion of the course, student should gain conceptual knowledge on concept of entropy and second law of thermodynamics.
CO3	On course completion, student should gain understanding of third law of thermodynamics including concept of residual entropy.
CO4	On course completion, students should gain knowledge on systems of variable composition, chemical equilibrium with special emphasis on Le-Chatelier's principle.
CO5	On completion of the course, student should have knowledge on solutions, colligative properties and their applications.
Course Title Course code	Physical chemistry-II 3CHMPC0202
CO1	On course completion, student shall gain practical knowledge on heat capacity measurements.
CO2	On course completion, student shall gain practical knowledge on calculation of enthalpy of neutralization.
CO3	On course completion, student shall be able to calculate enthalpy of ionization.
CO4	On course completion, student shall be able to determine integral enthalpy of salt solutions.
CO5	On course completion, student shall gain practical knowledge on determination of basicity of a diprotic acid.
CO6	On course completion, student shall be able to calculate enthalpy of hydration of salts.
CO7	On course completion, student shall gain knowledge on Calculate enthalpy of solubility of benzoic acid
Course Title Course code	Cosmetics, Perfumes and Fuel Chemistry 3CHMSE0201
CO1	On completion of the course, students should gain conceptual knowledge on general methods and uses of different cosmetics.
CO2	On completion of the course, student should gain knowledge on essential oils and their importance in cosmetic industries.
CO3	On completion of the course, students should gain understanding on renewable and non-renewable energy sources

CO4	On completion of the course, students should gain knowledge on principle and process of fractional distillation, reforming petroleum and non-petroleum fuels, synthetic, clean fuels and industrial uses of petrochemicals
CO5	On completion of the course, students should gain conceptual knowledge on classification and properties of lubricants.
B.Sc Chemistry (Hons) Sem III	
Course Title Course code	Inorganic Chemistry – II 3CHMTC0301
CO1	On completion of the course, students should gain conceptual knowledge on General characteristics of s-block elements, p-block elements
CO2	On completion of the course, students should gain knowledge on chemistry of s-block elements including complex formation tendency.
CO3	On completion of the course, students should be able to describe chemistry of p-block elements and General Principles of Metallurgy.
CO4	Student shall gain knowledge of structure, bonding and properties of oxides, hydrides, oxoacids, halides of Gp. 13, 14, 15, 16 and 17.
CO5	On course completion, student will have conceptual knowledge of preparation, properties, structure and uses of Borazine, silicones, silicates, phosphonitrilic halides, inter halogen and pseudo halogen compounds
Inorganic Chemistry - II	
Course Title Course code	3CHMPC0301
CO1	On completion of course, students will be able to perform Iodo/Iodimetric Titrations
CO2	On completion of course, students will be able to perform Complexometric titrations.
CO3	On completion of course, students will be able to perform Inorganic preparations including cuprous chloride, manganese phosphate, aluminium potassium sulphate.
Organic Chemistry – II	
Course Title Course code	3CHMTC0302
CO1	On completion of course, students will have knowledge of preparation and properties of alkyl and aryl halides.
CO2	Student shall have conceptual knowledge of preparation, properties and reactivity of alcohols and phenols.
CO3	Student shall have conceptual knowledge of Structure, reactivity, preparation, properties and chemical reactions of carbonyl compounds.
CO4	On completion of course, students will have knowledge of organometallic compounds, ethers and epoxides and active methylene compounds.

CO5	Student shall have conceptual knowledge of preparation, physical properties and reactions of Carboxylic acids and their derivatives.
Course Title Course code	Organic Chemistry - II 3CHMPC0302
CO1	On completion of course, students will be able to detect functional groups in the given organic compound.
CO2	Students will be able to perform organic preparations by the process of acetylation, benzoylation, oxidation and selective reduction.
CO3	Students will be able to perform aldol condensation.
CO4	On completion of course, students shall be able to prepare semicarbazones of acetone, ethyl methyl ketone, cyclohexanone and benzaldehyde.
CO5	Students will be able to perform hydrolysis of amides and esters.
Course Title Course code	Physical chemistry-III 3CHMTC0303
CO1	Student should be able to describe basic terms used in phase equilibria, Clausius-Clapeyron equation and phase diagram for one-component system
CO2	Student should be able to describe phase diagram for three-component systems, Nernst distribution law and its applications.
CO3	Student shall gain knowledge on applications of electrolysis in metallurgy, reversible and irreversible cells, Nernst equation and standard electrode potentials.
CO4	On completion of the course, students shall have knowledge of concentration cells, potentiometric titrations and applications of emf measurements in determining free energy, enthalpy and entropy measurements.
CO5	On course completion student should have conceptual knowledge of surface chemistry including adsorption isotherms and colloids.
Course Title Course code	Physical chemistry-III 3CHMPC0303
CO1	On completion of the course, students should be able to determine critical solution temperature of two-component system.
CO2	Students should be able to determine distribution coefficient.
CO3	On completion of the course, students should be able to perform potentiometric titrations of acid vs. base.
Course Title Course code	Intellectual property rights and Business Skills for Chemists. 3CHMSE0302
CO1	Students should be able to describe Business Skills, Accountancy: Profit-Loss account, Balance Sheet.
CO2	On completion of the course, student should be able to describe Patents,

	Copyrights, GI - Tag, Industrial design; Explain the main features of each of the major IPRs; Identify the IPR or IPRs applicable to specific items and Compare the features and protection afforded by each IPR
CO3	On completion of the course, students should be able to advise a commercial client on the IP rights which can be used to protect specific business assets and discuss the use of artificial intelligence in IP.
CO4	Students should be able to apply the criteria for unregistered and registered design right protection.
CO5	On completion of the course, student should be able to analyze whether design rights have been infringed and evaluation of overlap between copyright and design rights.
B.Sc Chemistry (Hons) Sem IV	
Course Title Course code	Inorganic Chemistry-III 3CHMTC0401
CO1	On completion of the course, students should have knowledge of theories for the formation of Coordination complexes.
CO2	Student should be able to describe Coordination complexes: nomenclature, isomerism and stereochemistry.
CO3	On completion of the course, students should be able to describe general group trends of transition elements.
CO4	Students should be able to describe the chemistry of compounds formed by transition elements: Cr, Mn, Fe and Co and general group trend of Lanthanides and Actinides
CO5	Students should be able to describe inorganic reaction mechanisms.
Course Title Course code	Inorganic Chemistry-III 3CHMPC0401
CO1	On completion of course, students will be able to perform Gravimetric analysis
CO2	Students shall be able to perform Inorganic preparations
CO3	Students will be able to study properties of complexes
Course Title Course code	Pharmaceutical chemistry and Analytical clinical biochemistry 3CHMSE0401
CO1	On completion of the course, students should be able to describe classification and biological importance of proteins and enzymes
CO2	Students should be able to describe metabolism, biological importance and classification of carbohydrates and lipids.
CO3	On completion of the course, students should be able to describe structure of DNA and RNA; aerobic and anaerobic fermentation.
CO4	Students should be able to describe Drug discovery, design and development; basic retrosynthetic approach and synthesis of some

	representative drugs
CO5	On completion of the course, students should have knowledge about the composition and functions of blood; composition and estimation of constituents of urine.
Course Title Course code	Organic Chemistry-III 3CHMTC0402
CO1	Students shall gain basic understanding of nitrogen containing functional groups.
CO2	Student shall gain knowledge about aromaticity, preparation and properties of polynuclear hydrocarbons.
CO3	On completion of the course, student should have basic understanding of classification, nomenclature, structure and aromaticity in 5-membered and 6-membered rings containing one heteroatom.
CO4	Student shall gain knowledge about synthesis of heterocyclic compounds including pyridine, indole, quinoline and isoquinoline.
CO5	On completion of the course, student should have basic understanding of occurrence, classification, structural elucidation and synthesis of Alkaloids and Terpenes.
Course Title Course code	Organic Chemistry-III 3CHMPC0402
CO1	On completion of the course, the student should be able to perform Nitrogen containing functional group analysis.
CO2	On completion of the course, the student should be able to perform Qualitative analysis of organic compounds.
CO3	Students shall be able to perform separation and identification of mixture of two organic compounds.
Course Title Course code	Physical Chemistry-IV 3CHMTC0403
CO1	On completion of the course, students should be able to describe Laws of conductance, theories of electrolysis, variation of conductivities with dilution
CO2	Students shall be able to describe Different methods for the determination of transference number. Applications of conductivity measurement.
CO3	Students shall have understanding of basic concepts of chemical kinetics and derivation of various orders of reactions.
CO4	On completion of the course, the student should be able to describe Concepts of temperature dependence on reaction rates; Different theories of reaction rates; Catalysis, enzyme catalysis etc.
CO5	Student should be able to describe Lambert -Beer's Law, Laws of photochemistry, Different types of photochemical reactions and

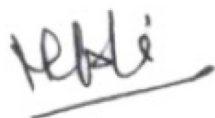
	photosensitized reactions.
Course Title Course code	Physical Chemistry-IV 3CHMPC0403
CO1	On course completion, student should be able to determine conductivity of the solutions and perform conductometric titrations.
CO2	On course completion, students should be able to determine degree of dissociation of weak acids.
CO3	Students shall be able to study the kinetics of various reactions like acid hydrolysis of methyl acetate with HCl, saponification of ethyl acetate.
CO4	Students shall be able to compare strengths of strong acids by studying kinetics of hydrolysis of methyl acetate, iodide persulphate reaction etc.
B.Sc Chemistry (Hons) Sem V	
Course Title Course code	Green chemistry 3CHMDE0502
CO1	On course completion, student should have knowledge about Green chemistry, goals of green chemistry and twelve principles of green chemistry.
CO2	Students shall have conceptual knowledge of green solvents and energy requirements for reactions.
CO3	Students shall have knowledge about use of catalytic reagents and prevention of chemical accidents.
CO4	Students shall have understanding of green synthesis by studying various examples of green reactions and some real world cases.
CO5	Students shall have knowledge about future trends in green chemistry.
Course Title Course code	Organic Chemistry IV 3CHMTC0501
CO1	After the completion of this course students should have knowledge of structure and functions of nucleic acids, synthesis of purine and pyrimidine bases.
CO2	Students shall have understanding of classification, structure and properties of alpha amino acids, primary structure of peptides by end group analysis.
CO3	Students shall gain conceptual knowledge of solution-phase and solid-phase synthesis of peptides, primary, secondary and tertiary structure of proteins, introduction, classification, specificity and characterization of

	enzymes.
CO4	Students shall gain conceptual knowledge about oils and fats, hydrogenation, saponification value, iodine number, reversion and rancidity, concept of energy in biosystems.
CO5	Students should gain conceptual knowledge about classification structure and therapeutic uses of pharmaceutical compounds including analgesics, antimalarials, and antibiotics.
Course Title Course code	Organic Chemistry IV 3CHMPC0501
CO1	On course completion, students shall be able to perform estimation of glycine by Sorenson's formalin method.
CO2	Students shall have practical knowledge about study of titration curve of glycine.
CO3	Students shall be able to perform estimation of proteins by Lowry's method.
CO4	Students shall have practical knowledge of study of action of salivary amylase on starch at optimum conditions.
CO5	Students shall have practical knowledge of saponification value of oil/fat.
CO6	Students shall have practical knowledge of isolation and characterization of DNA from onion/cauliflower/peas.
Course Title Course code	Inorganic materials of industrial importance 3CHMDE0501
CO1	After the completion of this course, students should have knowledge of silicate industries including Manufacture, classification and processing of glass, types of ceramics, carbon nanotubes, and manufacture and setting process of cements.
CO2	On course completion, student shall have knowledge about manufacture of different types of fertilizers.
CO3	Students shall gain conceptual knowledge about classification, formulation, composition and related properties of paints and pigments.
CO4	Students shall have conceptual knowledge about Working of batteries including Pd acid, Li-battery etc.
CO5	Students shall gain understanding about general principles and properties of catalysts and preparation and explosive properties in organic compounds.

Course Title Course code	Inorganic materials of industrial importance 3CHMDP0501
CO1	On completion of the course, students should be able to perform estimation of Ca in Fertilizer CAN.
CO2	Students shall be able to analyze cement to find the percentage of $\text{SiO}_2, \text{CaO}, \text{Al}_2\text{O}_3$
CO3	On completion of the course, the student should be able to perform preparation of pigment ZnO .
CO4	Students shall have practical knowledge of determination of composition of Dolomite by complexometric titration.
CO5	Students shall have practical knowledge of estimation of phosphoric acid in superphosphate Fertilizers.
B.Sc Chemistry (Hons) Sem VI	
Course Title Course code	Inorganic Chemistry IV 3CHMTC0601
CO1	On course completion, students shall have knowledge about theoretical principles in qualitative analysis including solubility products, common ion effect and interfering ions.
CO2	On course completion, students shall have conceptual knowledge of classification of organometallic compounds, metal alkyls and preparation and reactions of ferrocene.
CO3	Students shall have conceptual knowledge about metal carbonyls including general methods of preparation and structures.
CO4	Student shall have conceptual knowledge about preparation and structure of Zeise's salt and catalysis by organometallic compounds.
CO5	Student shall have detailed knowledge of various metal ions in biological system, Na-K pump, excess and deficiency of some trace metals, toxicity of various metal ions, use of chelating agents in anticancer drugs (Cis-Platin), Haemoglobin and Myoglobin
Course Title Course code	Inorganic Chemistry IV 3CHMPC0601
CO1	On course completion, student shall have practical knowledge about chemistry of different reactions of various anion and cations.
CO2	Students should be able to analyze any inorganic salt mixture for acid and basic radicals.
CO3	On course completion, students shall have practical knowledge about interfering radicals.

CO4	On course completion, students shall have practical knowledge about separation of Ni and Co by paper chromatography
CO5	On course completion, students should be able to separate Cu and Cd by chromatography techniques.
Course Title Course code	Organic Chemistry V 3CHMTC0602
CO1	After the completion of this course students will have comprehensive knowledge of general principles and applications of UV and IR Spectroscopy.
CO2	On course completion, students shall have understanding about general principles and applications of NMR Spectroscopy.
CO3	On course completion, student shall have conceptual knowledge about Occurrence, classification, biological importance, degradation, interconversions of carbohydrates.
CO4	Students shall have conceptual knowledge about classification, colour constitution and electronic concept of dyes, synthesis and structure elucidation of azo dyes, triphenyl and natural dyes.
CO5	Students shall have knowledge about classification, synthesis and uses of natural and synthetic polymers, biodegradable and conducting polymers.
Course Title Course code	Organic Chemistry V 3CHMPC0602
CO1	After the completion of this course students shall be able to perform extraction of caffeine from tea leaves.
CO2	On course completion, student shall be able to prepare urea formaldehyde resin.
CO3	On course completion, students shall have practical knowledge about qualitative analysis of unknown organic compounds containing monofunctional and simple bifunctional groups.
CO4	Students shall have practical knowledge about separation and detection of two component mixtures.
CO5	Students shall have practical knowledge about identification of simple organic compounds by IR and NMR spectroscopy.
Course Title Course code	Research Methodology for Chemistry 3CHMDE0602
CO1	On course completion, student shall have knowledge about literature survey including print and digital sources of information and information technology and library resources.
CO2	On course completion, student shall have knowledge about methods of

	Scientific research and writing Scientific papers.
CO3	Student shall gain knowledge about chemical safety and ethical handling of chemicals including safe working procedure, safe storage and disposal of waste chemicals.
CO4	Student shall gain knowledge about various data analysis including the investigative approach, analysis and presentation of data.
CO5	Student shall have understanding of basic fundamentals of electronic circuits and their components.
Course Title Course code	Dessertation/Project 3CHMDEPR01
CO1	On course completion, student shall gain a deeper understanding of chemical principles and reactions.
CO2	On course completion, analytical and problem solving skills of students shall be enhanced through experimental investigations.
CO3	On completion of the course, student shall develop effective communication by presenting findings and conclusions.
CO4	The course shall foster teamwork and collaboration among students while working on the project together.
CO5	The course shall cultivate critical thinking and creativity among students in designing and executing experiments.



Principal

Department of Commerce
Govt. College for Women, Gandhi Nagar, Jammu

Course Outcomes

Course Outcome Number	Course Outcome
Course Title Course Code Sem 1st	Financial Accounting 1COMTC0101
CO1	After reading this course students will be able to gain: Conceptual knowledge of the financial accounting and application in business
CO2	Accounting Process of business transactions, Preparation of Final Accounts
CO3	Accounting For Hire Purchase and Installment System
CO4	Accounting For Consignment and Joint Venture, Various Parties treatment in the books of accounts
CO5	Accounting for Inland Branches, Types of Inland branches and accounting treatment
CO6	Accounting For Dissolution of Partnership Firm
CO7	Importance of Royalty Accounting, Treatment of Lessor and Lessee in the books of Accounts
Course Title Course Code Sem 1st	Business, Organization and Management 1COMTCO102
CO 1	After reading this course students will be able to understand, the following concepts and its application in business, Overview of manufacturing and service sector. Problems face by Small and Medium Enterprises and government policy, Make In India Movement, India's experience of liberalization and globalization skill development.
CO2	Concept and Types of Organising, Concept of centralization and Decentralisation, Principles of Delegation of Authority, Groups and Teams, Leadership-Concept and styles
CO3	Social Responsibility -Concept and Areas, various forms of business. Choices of forms of Organisation, Process of management
CO4	Motivational theories (Maslow need hierarchy and Herzberg two factors)
CO5	Concept and process of Control, Production Management
CO6	Marketing management, Marketing Mix
CO7	Financial management, Sources of Funds

CO8	Human resource management, The basic dynamics of employer-employee relations.
Course Title Course Code Sem 1st	Financial Accounting 1COMMJT0101
CO1	The students will be able to build an understanding of theoretical framework of accounting.
CO2	The course will develop skills to prepare financial statements of non-corporate entities.
CO3	The course will acquaint the students in computing insurance claims.
CO4	The students will be able to understand the accounting treatment of Royalty and Hire purchase accounts.
Course Title Course Code Sem 1st	Entrepreneurial Skill Development 1COMSEC0101
CO1	The students will be able to understand the concept of entrepreneurship
CO2	To know the role of EDPs and state in fostering entrepreneurial growth
CO3	To develop the skills to understand the functioning of the Start-ups in India
CO4	To Develop the skills for preparing the project reports
Course Title Course Code Sem 1st	Fundamentals of Business Studies 1COMMNT0101
CO1	This course will enable students to stimulate interest in the business environment and how they interact with it.
CO2	It develops skills, knowledge, attitudes and behaviour to make informed and responsible decisions with all of the resources available to them, ensuring individual and society's well-being.
CO3	To act more effectively and responsibly as customers, employers, employees and citizens.
CO4	Inculcate the practice of managing the operations and resources of business.
Course Title Course Code Sem 2nd	Business Statistical Techniques 1COMTC0202
CO1	The students will be able to gain understanding of various statistical techniques and its application in business organisations. Importance of various types of business statistical techniques in solving business problems,
CO2	Introduction & analysis of quantitative data

CO3	Measures of central tendency, Measures of dispersion
CO4	Coefficient of variation & skewness
CO5	Methods for construction of index numbers, Methods of studying Correlation and Regression, Graphic and algebraic methods of interpolation and extrapolation
Course Title Course Code Sem 2nd	Business Laws 1COMTC0201
CO1	The students will be able to gain Various aspects of legal environment pertaining to business in India, Implied conditions and warranties,
CO2	Meaning and essential elements of a valid contract, Legal rules as to offers; Acceptance – Definition, legal rules as to acceptance, Legal implications of coercion, undue influence, fraud, misrepresentation and mistake, Legal rules and exception to the law of consideration,
CO3	Concept of bailment and rights & duties of bailer & bailee, Concept of pledge and rights & duties of pawnor & pawnee, Contract of sales of goods and essential of contract of sale.
CO4	Meaning and rights of unpaid seller against goods and buyer, Meaning, definition and features of the contract of agency
CO5	Rights and duties of agent and principal, and Modes of termination of agency.
Course Title Course Code Sem 2nd	Advanced Financial Accounting 1COMMJT0201
CO1	The students will be able to understand, explain and evaluate the principles relating to recording of complex business transactions in the books of various parties.
CO2	The course will develop an understanding of preparing Departmental and Branch Accounts.
CO3	This course will enable the students to understand laws governing settlement of insolvency accounts.
CO4	The course will acquaint the students with accounting treatment of preparing consignment and joint venture accounts.
Course Title Course Code Sem 2nd	Entrepreneurial Skill Development (Project Analysis) 1COMSEC0201
CO1	To course will enhance the knowledge of project analysis and its importance to be a successful entrepreneur among students.
CO2	The students will gain depth knowledge about financial analysis especially through learning various techniques

CO3	It will develop the ability among the students to perform profitability and social cost benefit analysis for setting up new enterprise.
CO4	It will enhance students' ability in dealing with new projects through break even and profitability analysis.
CO5	It will help the students to understand the application of various budgeting techniques especially zero based budgeting.
Course Title Course Code Sem 2nd	Business Environment 1COMMNT0202
CO1	Students will be able to appreciate the role of economic and business environment in operation of business in India
CO2	It will also help them to appreciate the actors and factors of business environment influencing the corporate strategy formulation.
CO3	It will also help them in understanding the macro-economic forces with reference to global business environment in formulation of trade policy of India.
Course Title Course Code Sem 3rd	Income Tax Law and Practice 1COMTC0302
CO1	The students will be able to gain the Basic knowledge and application of regarding different aspects of Income Tax in business, Computation of Income from salaries.
CO2	Deductions under Sec 16 (ii) & 16 (iii), Various types of perquisites: exempted, taxable for all employees, taxable for specified employees, Various types of allowances- fully taxable, partially taxable and exempted
CO3	Computation of expected rental value, municipal rental value, fair rental value, standard rent, Concept of Net Annual Value, Computation of income from Let out Houses, self-occupied and house property, Computation of profits and gains of business and profession.
CO4	Computation of capital gains, Meaning of Capital assets and types of capital gains, Deductions under Sec 54, 54B, 54 D, 54 EC, 54 ED, 54 F, Computation of Income from other sources, Concept of general and specific incomes, Deductions under Sec. 57
CO5	Brief introduction to aggregation of income, total income and tax liability
Course Title: Course Code: Sem 3rd	Company Laws 1COMTC0301
CO1	The students will be able to understand the Various concepts of corporate laws

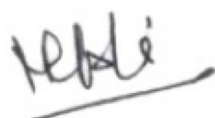
CO2	Meaning of the company; Stages in formation of company, Difference between private and public company
CO3	Meaning and Content of Memorandum of Association, Articles of association and Prospectus, Company's Management, Board of Directors and Company's Secretary, Meaning and essentials of valid meeting
CO4	Annual general meeting and extra ordinary general meeting; Postal Ballot, E-Voting
CO5	Legal provision pertaining to ordinary, special and resolution requiring special notice, Modes and consequences of Winding Up
Course Title: Course Code: Sem 3rd	Fundamental of Direct Taxes 1COMSE0301
CO1	Introduction of Income Tax Act 1961 and meaning of basic terms; Set off and carry forward of losses
CO2	Aggregation of income, Maximum marginal rate, Concept of gross total income and total income
CO3	Deduction U/S 80; Rebate U/S 86, 88, 88b, 88c and relief U/S 89 (i)
CO4	Assessment of individuals, individuals, H.U.F, firms ad A.O.P, Computation of tax liability of individuals, H.U.F, firms and A.O.P. Filing of Income Tax Return
CO5	Provisions and procedures of compulsory online filing for specified employees.
Course Title Course Code: Sem 4th	Corporate Accounting 1COMTCO401
CO1	The students will be able to gain knowledge about company accounts; Meaning of Shares, understand the methods of valuation of shares.
CO2	Meaning, need and factors affecting the goodwill, The computation of different methods of valuation of goodwill.
CO3	The procedure involved in liquidation of company, Preparation of statement of affairs as regard creditors and contributories, Preparation of Liquidators final statement of account, Holding and subsidiary company
CO4	Minority interest, Cost of control, Capital reserve, Unrealised profit Effect of revaluation of Assets and liabilities of subsidiary company. Calculation of capital and revenue profit, cost of control, stock reserve, capital reserve.
CO5	Preparation of Consolidate Balance sheet, Understand the treatment of Bonus shares.
Course Title: Course Code: Sem 4th	Cost Accounting 1COMTC0402

CO1	The students will be able to gain the conceptual knowledge of cost accounting and its practical implications.
CO2	Preparation of cost sheet & tender.
CO3	Method of valuing material issues, Methods of absorption of overheads.
CO4	Preparation of contract accounts.
CO5	Reconciliation of cost and financial accounts and Preparation of process accounts with normal process loss.
Course Title: Course Code: Sem 4th	Entrepreneurship 1COMSE0401
CO1	The students will be able to get the knowledge regarding the Entrepreneur and Entrepreneurship and to inculcate.
CO2	Various attributes and personality traits of an entrepreneur
CO3	Entrepreneurial behaviour, Entrepreneurial development programs, Entrepreneurial sustainability.
CO4	Project analysis and Financial Analysis,
CO5	Concept of SSI, MSME, Role of Industrial Policy to promote SSI
Course Title: Course Code: Sem 5th	Auditing & Corporate Governance 1COMDE0504
CO1	The students will be able to get Basic understanding of the concepts and Objectives of auditing, Principles and Techniques of auditing, Classification of auditing
CO2	Concept of internal check, Internal audit and internal control, Conceptual framework of corporate governance, Corporate Reforms; Major corporate scandals in India, Common Governance problems noticed in various corporate failures
CO3	Verification and valuation of assets and liabilities, Qualifications of company auditor, Appointment of company auditor, Rights and Duties of company auditor, Liability of company Auditor
CO4	Special features of Cost audit and Tax Audit, Management Audit Meaning and importance of audit report, Contents of audit report
CO5	Points to be noted while vouching, Vouching of cash transactions; Kinds of Audit Report -Clean report and unqualified report
Course Title: Course Code: Sem 5th	Management Accounting 1COMDE0501
CO1	This course will inculcate the ability among students to apply the statistical techniques, Introduction of management accounting and working capital

CO2	Financial statement analysis; Fund flow statement, Cash flow statement.
CO3	Absorption, marginal and variable costing; Cost-volume-profit analysis and break-even analysis
CO4	Standard costing, Variance analysis
CO5	Budget and budgetary control
Course Title: Course Code: Sem 5th	Personal Selling and Salesmanship 1COMSE0502
CO1	The students will be able to understand the concept of personal selling and how personal selling is more effective in business,
CO2	Apply the recruitment and selection process of selling,
CO3	Understand the career opportunities in selling. Understand the purpose of personal selling and how to motive the persons,
CO4	Understand the selling process and what the post sales activities.
CO5	Make an order book, cash memo, tour diary and periodical reports and Know the ethical aspects of personal selling.
Course Title Course Code: Sem 5th	Principles of Management 0COMGENE02
CO1	The students will be able to understand the Basic management concepts, principles and practices, Evolution of the Management Thought, Taylor's and Fayol's contribution,
CO2	Meaning, nature, importance and steps in planning process, Measures for making planning effective, Concept, importance and types of managerial decisions, Guidelines for making effective decisions.
CO3	Importance, process & principles of organizing, Different types of authority - responsibility relationship,
CO4	Meaning, importance & process of delegation, Concept, importance, process of staffing process, Motivational theories.
CO5	Concept of leadership and various leadership styles, Principles of effective control; Budgetary control
Course Title: Course Code: Sem 6th	Business Environment 1COMDE0601
CO1	The students will be able to understand the Conceptual framework of Business Environment and its impact in the current market scenario, Classification of environment, Concept of Environmental Analysis.
CO2	Techniques of Environmental Analysis, Steps in Environmental Analysis Concept and area of social responsibility of business

CO3	Argument in favour and against social responsibility, Concept and importance of Social Audit
CO4	Present scenario of Indian economy, Concept and constituents of money market and capital market.
CO5	Factors contributing to the growth of capital market in India. SEBI, New industrial policy and its rationale, Objectives and instruments of Fiscal Policy and Monetary policy
Course Title: Course Code Sem 6th	Consumer Protection Act 1COMDE0604
CO1	The course will able to Familiarise the students with their rights as a consumer, Explain the concept of consumer, nature of markets, concept of Price in retail and wholesale market, Maximum Retail Price (MRP) and Local Taxes, Fair Price, labeling and packaging,
CO2	Understand the social and legal framework of protecting consumer rights Comprehend the business firms' interface with consumers and the consumer related regulatory and business environment.
CO3	Understand consumer complaining behaviour and the various alternatives available to dissatisfied consumers, Understand the objectives and basic concepts of the Consumer Protection Act, 1986, Understand the various terms like, Consumer, goods, service, defect in goods, deficiency in service, spurious goods and services, unfair trade practice, restrictive trade practice, etc.
CO4	Comprehend the Organizational set-up under the Consumer Protection Act, Define the Role of Supreme Court under the CPA,
CO5	Understand the Grievance Redress Mechanism under the Consumer Protection Act, 1986, Understand the Consumer Movement in India,
CO6	Explain the formation of consumer organizations and their role in consumer protection, Recent developments in Consumer Protection in India
Course Title: Course Code Sem 6th	E-Commerce 1COMSE0601
CO1	The students will be able to gain an understanding regarding Basic concepts and types of e-commerce and its application in business life, Forces fuelling e-commerce, Framework of e-commerce
CO2	Nature and dynamics models of the internet, Pure online vs. brick and click online business, Requirement for an online business design
CO3	An overview of e-retailing, growth & characteristics of successful e-retailing. Management challenges in online retailing

CO4	E-tailing business models, E-payment methods and its application Types of e-cards, Meaning and application of e-wallet, Threats in e-commerce, Security of clients and service provider
CO5	Information Technology Act, 2000, Offences, Secure electronic records and digital signatures, Penalties and adjudication
Course Title: Course Code Sem 6th	Principle of Marketing 0COMGENE04
CO1	The students will be able to understand the concepts of Evolution of marketing concepts.
CO2	An overview of consumer behaviour and consumer buying process Market segmentation and positioning, Product differentiation vs. Market segmentation.
CO3	Meaning, importance and classification of product, Concept of product mix, branding, packaging, labeling; after sales services; pricing; product life cycle; new product development; Pricing policies and strategies.
CO4	types of promotion, Concept and factors affecting promotion mix
CO5	Factors affecting channel of distribution, Concept of wholesaling, retailing and physical distribution.



Principal

Department of Computer Applications
Govt. College for Women, Gandhi Nagar, Jammu

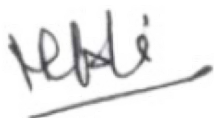
Course Outcomes

Course Outcome Number	Course Outcome
Course Title	Computer Fundamentals and Office Tools
Course Code	1CAPMNT0101
Sem 1st	
CO1	The students will have understanding of basic computer terminologies like hardware, software, input and output devices.
CO2	The students will learn about computer languages and computer memory.
CO3	The students will learn about number systems used in computing.
CO4	The students will learn about emerging technologies in computer science.
CO5	The students will learn about basic office tools like word processor, spreadsheet and presentation software
Course Title	Basics of Computers and Office Tools
Course Code	1CAPMULDC01
Sem 1st	
CO1	The students will have understanding of basic computer terminologies like hardware, software, input and output devices.
CO2	The students will learn about computer languages and computer memory.
CO3	The students will learn about number systems used in computing
CO4	The students will learn about emerging technologies in computer science
CO5	The students will learn about basic office tools like word processor, spreadsheet and presentation software
Course Title	Basics of Web Programming
Course Code	1CAPSEC0101
Sem 1st	
CO1	This course will enable the students to learn about the basic terminologies of web programming.

CO2	The students will learn to create web pages using HTML, DHTML and CSS.
CO3	The students will learn to build and publish websites
Course Title Course Code Sem 1st	Digital and Technological Solutions 1DTSVACAD02
CO1	The students will gain knowledge about digital paradigms
CO2	The students will realise importance of digital technology, digital financial tools, e-commerce.
CO3	The students will learn about communications and networks
CO4	The students will get familiarise with the e-governance and digital India initiatives
CO5	The students will gain an understanding of use and applications of digital technology
CO6	The students will learn about emerging technologies in computer science like AI, IoT and big data.
Course Title Course Code Sem 2nd	Operating System 1CAPMNT0201
CO1	The students will gain knowledge about basics of operating system.
CO2	The students will learn about command based operating systems like DOS and UNIX.
CO3	The students will learn about functions of operating systems like memory management, process management and interprocess communication.
Course Title Course Code Sem 2nd	Programming in Javascript and Ajax 1CAPSEC0201
CO 1	This course will enable the students to learn about the basic scripting languages.
CO2	The students will learn to create scripts using Javascript.
CO3	The students will learn about dynamic web pages and Ajax programming.
Course Title: Course Code: Sem 3rd	Operating System 1CAPTC0301
CO1	The students will gain knowledge about basics of operating system.
CO2	The students will learn about command based operating systems like DOS and UNIX.
CO3	The students will learn about functions of operating systems like memory management, process management and interprocess communication.
CO4	The students will learn about GUI based operating systems like Windows and Linux
Course Title:	Software Engineering

Course Code: Sem 3rd	1CAPSE0301
CO1	The students will learn to apply the software engineering lifecycle by demonstrating competence in communication, planning, analysis, design, construction, and deployment
CO2	The students will be prepared to work as an individual and as part of a multidisciplinary team to develop and deliver quality software
Course Title: Course Code: Sem 4th	Networking and Internet 1CAPTC0401
CO1	The students will learn about concepts of Networking & Communication technologies.: The students will learn about web designing using HTML, CSS & Javascript.
CO2	The students will learn about the Internet terminology and their use
Course Title: Course Code: Sem 4th	Open Source Software 1CAPSE0401
CO1	The students will learn about Free and Open Source Software Concepts.
CO2	The students will learn about Different Open Source Softwares.
CO3	The students will learn about OSS organizations
CO4	The students will get hands on OSS like openoffice, apache tomcat server, MySQL, data recovery softwares etc.
Course Title: Course Code: Sem 5th	Database Management System 1CAPDE0501
CO1	The students will learn about Database concepts.
CO2	The students will learn about Relational Database management System
CO3	The students will get hands on training on SQL Programming.
Course Title: Course Code: Sem 5th	E-Commerce 1CAPSE0501
CO1	The students will learn about e-commerce, its types, applications, advantages and disadvantages.
CO2	The students will learn about Internet and its use in e-commerce

CO3	The students will learn about e-payments and its use in e-commerce.
Course Title: Course Code: Sem 6th	PHP Programming Course Code: 1CAPDE0601
CO1	The students will learn how server-side programming works on the web.
CO2	The students will learn PHP Basic syntax for variable types and calculations.
CO3	The students will learn Creating conditional structures.
CO4	The students will learn Storing data in arrays.
CO5	The students will learn how to use PHP built-in functions and creating custom functions.
CO6	The students will learn about POST and GET in form submission.
Course Title: Course Code Sem 6th	Database tools 1CAPSE0601
CO1	The students will learn about DBMS Concepts
CO2	The students will learn about MS Access 2007 concepts and use.
CO3	The students will learn about MS Access query wizard, forms and reports.



Principal

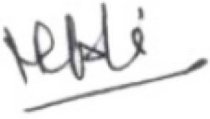
Department of DogriGovt. College for Women, Gandhi Nagar, JammuCourse Outcomes

Course name	Course outcomes
Semester Subject course title Course code	1 st CORE COURSE DOGRI POETRY & GRAMMER 1DGRTCCC01
Co1 Co2	विद्यार्थी डोगरी दे प्रमुख कविये ते उंदी कविताएं दे बारा च जानकारी देई सकडन। विद्यार्थी डोगरी व्याकरण ते कविताएं दे जानकार होई जाडन।
Semester Subject Course title Course code	1 st AECC DOGRI DOGRI GRAMMER & COMMUNICATION 0DGRAECC01
Co1 Co2	एह पाठ्यक्रम विद्यार्थिये दे संचार कौशल गी विकसित करने च सहायक होग। विद्यार्थी व्याकरण के मूल सिद्धांते गी समझिये भाशाई कौशल बी विकसित करी सकडन।
Semester Subject Course title course code	1 st CORE COURSE DOGRI POETRY AND DRAMA 1DGLTC0101
Co1 Co2	पाठ्यक्रम पूरा करने के बाद, विद्यार्थी डोगरी कविता ते नाटक दे भाव पक्ख ते कला पक्ख दा विश्लेशन करने च सक्षम होई जाडन। विद्यार्थी काव्य सौन्दर्य ते शिल्प दी प्रवृत्तियों गी रेखांकित करी सकडन।
Semester Subject course title course code	2 nd CORE COURSE DOGRI POETRY & GRAMMER 1DGRTCCC01
Co1 Co2	विद्यार्थी डोगरी दे प्रमुख कविये ते उंदी कविताएं दे बारा च जानकारी देई सकडन। विद्यार्थी डोगरी व्याकरण ते कविताएं दे जानकार होई जाडन।
Semester Subject course title	2 nd CORE COURSE DOGRI NOVEL AND SHORT STORY

course code	1DGLTC0201
Co1 Co2	विद्यार्थी उपन्यास ते कहानी च फर्क समझी सकडन। विद्यार्थी कहानी ते उपन्यास दे बक्खबक्ख पैह-लुं कत्रै परिचित होडन।
Semester Subject Course tittle course code	2nd AECC DOGRI DOGRI GRAMMER & COMMUNICATION 0DGRAECC01
Co1 Co2	विद्यार्थी व्याकरण दे बुनियादी सिद्धांतें गी समझियै भाशाई योग्यता गी विकसित करी सकडन। विद्यार्थियें दे उच्चारण कत्रै जुड़ी दी समस्या ठीक होई सकग।
Semester Subject course tittle course code	3rd CORE COURSE DOGRI SHORT STORY & GRAMMER 0DGRTCCC02
Co1 Co2	विद्यार्थियें गी डोगरी व्याकरण दे बारे च बुनियादी ज्ञान हासल होई सकग। साहित्य दा अध्ययन करियै विद्यार्थी अपनी शब्दावली, लिखने ते बोलने च सुधार करी सकडन।
Semester Subject course tittle Course code	3rd CORE COURSE DOGRI GAZAL AND ESSAY 1DGLTC0301
Co1 Co2	विद्यार्थियें गी गज़ल ते निबंध लिखने दा बुनियादी जानकारी हासल होई सकग। इस पाठयक्रम गी पढ़ने दे बाद विद्यार्थी गज़ल दा व्याख्यान करी सकडन
Semester Subject course tittle course code	3rd Skill Enhancement Course(SEC) TRANSLATION 1DGLSE0301
Co1 Co2	विद्यार्थी अनुवाद विज्ञान दे बक्खबक्ख रूपें दे बारे च दस्सी सकडन।- विद्यार्थी वैज्ञानिक, प्रशासनिक ते तकनीकी शब्दावली कत्रै बी परिचित होई सकडन।
Semester Subject course tittle course code	4th CORE COURSE DOGRI SHORT STORY & GRAMMER 0DGRTCCC02
Co1 Co2	विद्यार्थी डोगरी व्याकरण दे बारे च बुनियादी जानकारी सिक्खी सकडन। साहित्य दा अध्ययन करियै विद्यार्थी डोगरी कहानी च बरतने आहली शब्दावली, लिखने ते बोलने च सुधार करी सकडन।
Semester Subject course tittle	4th CORE COURSE LITERARY CRITICISM

course code	1DGLTC0401
Co1 Co2	विद्यार्थी कुसै बी किताब दा आलोचनात्मक आधुन-विश्लेशण करी सकडन। इस कोर्स गी पढ़ने दे बाद विद्यार्थिये च साहित्य पढ़ने च रुचि पैदा होग।
Semester Subject course title Course code	4 th Skill Enhancement Course(SEC) DOGRI LANGUAGE-TEACHING 1DGLSE0401
Co1 Co2	विद्यार्थी अपनी रचनात्मक कला गी बधाई सकडन। विद्यार्थी बखबख साहित्यिक पैह-लुएं कत्रै परिचित होई सकडन।
Semester Subject course title course code	5 th DSE DOGRI ARTS OF DUGGAR PRADESH 1DGLDE0502
Co1 Co2	विद्यार्थी डोगरा सांस्कृतिक विरासत दे बारे च जानकारी हासल करी सकडन। विद्यार्थी डोगरा लोक कला कत्रै परिचित होई सकडन।
Semester Subject course title course code	5 th Skill Enhancement Course(SEC) NEWS COMPILATION AND WRITING 1DGLSE0501
Co1 Co2	इस कोर्स दा अध्ययन करने दे बाद विद्यार्थी खबरें गी संकलित ते संपादित करी सकडन। विद्यार्थिये च लेखन कौशल विकसित होग
Semester Subject course title Course code	5 th GENERIC ELECTIVE COURSE DOGRI FOLK-LITERATURE 0DGRGENE01
Co1 Co2	विद्यार्थी बख बख किस्म-दे लोक साहित्य दी विधाएं दी पन्छान करी सकडन। विद्यार्थी इस गल्लै गी सिक्खी सकडन जे लोक साहित्य, शिष्ट साहित्य थमां किस चाल्लीं बखरा ऐ
Semester Subject course title course code	6 th DSE DOGRI DUGGAR DA LOK-JIVAN 1DGLDE0601
Co1 Co2	विद्यार्थी डोगरा संस्कृति दे बारे च जानकारी हासल करडन। विद्यार्थी डोगरा खान-पान दे बारे च जानकार होडन।
Semester Subject course title	6 th Skill Enhancement Course(SEC) CREATIVE /CONSTRUCTIVE WRITING

course code	1DGLSE0601
Co1 Co2	विद्यार्थी अपनी रचनात्मक कला गी बधाई सकडन। विद्यार्थी बखबख साहित्यिक पैह-लुएं कत्रै परिचित होई सकडन।
Semester Subject Course tittle Course code	6 th GENERIC ELECTIVE COURSE DOGRI LANGUAGE AND SCRIPT 0DGRGENE02
Co1 Co2	इस पाठयक्रम दे बाद विद्यार्थी डोगरी भाशा ते साहित्य गी समझी सकडन। विद्यार्थियें लिपि ते भाशा च फर्क भेद समझाई सकडन।



Principal

Department of EconomicsGovt. College for Women, Gandhi Nagar, JammuCourse Outcomes

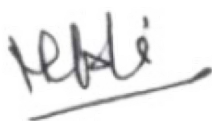
Course Outcome Number	Course Outcome
Course Title: Course Code: Sem I	Principles of micro economics-1 1ECOTC0101
CO1	On the completion of the course, students will be able to understand the basic principles in micro economic theory which can be applied to analyze the real life situations
CO2	Students will be able to understand the behavior of an economic agent a consumer, a producer or a factor of production.
CO3	Students will be able to learn how the consumer's and producer's equilibrium are achieved through demand and production function
CO4	The students will have the knowledge of perfect competition and its allocative efficiency.
Course Title: Course Code: Sem II	Principles of micro economics-II 1ECOTC0201
CO1	On the completion of course, the student will be able to become familiar with different market structures, factor pricing and environmental economies
CO2	The students will learn about the different theories of distribution ,like rent ,wages, interest, profit
CO3	The students will get awareness about environment, public good and property right approach to environmental problems.
CO4	The students will learn the concept of welfare and social welfare function.
Course Title: Course Code: Sem III	Principles of Macro Economics-I 1ECOTC0301
CO1	On the completion of course, the student will be able to learn the basic concepts of Macroeconomics.
CO2	The students will have an understanding about the functioning of the economy as the whole.
CO3	The students will get to know about national income, its uses and difficulties.
CO4	The students will learn about the national income determination in an open economy with govt.
CO5:	The students will learn the concept of money in a modern economy and the role monetary policy in developing economies.
Course Title: Course Code: Sem III	FINANCIAL ECONOMICS 1ECOSE0301
CO1	On the completion of course, the student will be able to learn the economics of finance.

CO2	Students will learn the organization, structure and the role of financial markets and institutions.
CO3	Students will understand the features and functioning of Indian Money market.
CO4	Students will be able to determine the relationship between the money market and capital market.
CO5	Students will be able to understand the development of banking in India and banking reforms.
CO6	Students will get the knowledge and training to the Tit –Bits of the financial aspect of the Economy.
CO7	Students will get familiarized with the changing Global Financial and Investment scenario.
Course Title: Course Code: Sem IV	Principles of Macro Economics –II 1ECOTC0401
CO1	On the completion of course, the student will be able to understand the various aspect of Macro Economics in Greater details.
CO2	The students will get familiar with the concept of BOT, BOP and Foreign Exchange Rate.
CO3	The students will understand the concept of inflation, effects and methods to control Inflation.
CO4	The students shall understand the concept of unemployment , its type .
Course Title: Course Code: Sem IV	DATA ANALYSIS 1ECOSE0401
CO1	On the completion of course, the student will be able to learn the collection and presentation of data.
CO2	Students will learn how data can be summarized and analyzed.
CO3	Students will get training to calculate and use few statistical tools.
CO4	The students will get to know about measures of central tendency and measures of Dispersion.
CO5:	The students will get the knowledge about correlation and theories of correlation.
Course Title: Course Code: Sem V	MONEY AND BANKING 1ECODE0502
CO1	On the completion of course, the student will get the knowledge Regarding Evolution of Money and its role in a developing and mixed Economy as Money and banking constitute the important component toward understanding of Economics.
CO2	Students will get familiarized about the comprehensive functioning of banks.
CO3	Students will learn how monetary forces operate through a multitude of channels- market , non-market institutions
CO4	Students will be able to analyse the current events concerning banking .
Course Title: Course Code: Sem V	Stock Market 1ECOSE0501

CO1	On the completion of course, the student will be able to have a little understanding and knowledge of stock market operations.
CO2	The students will be able to laearn basic role of primary market and an overview of Indian Securities market
CO3	The students will get an over view of major stock Exchange of India focusing on primary market, Secondary Market and the issues related to BSE and NSE.
CO4	Students will learn about listing of securities , Bonus issue, Listing and Delisting condition of BSE and NSE.
Course Title: Course Code: Sem V	An Introduction to Indian Economy and J&K Economy 0ECOGENE05
CO1	On the completion of course, the student will be able to have an understanding of Indian Economy.
CO2	Students will have a good deal of understanding about the major development in Indian economy since independence
CO3	The students will learn about the problem of overpopulation, poverty and unemployment.
CO4	Students will learn to read about the importance and problems of agriculture and industries.
CO5:	Students will learn about the various polices made by the Govt. for the development of Indian economics.
CO6:	Students will learn about the J & K Economy , its agriculture, industry and Tourism.
Course Title: Course Code: Sem VI	Public Finance 1ECODE0603
CO1	On the completion of course, the student will be able to understand the concept of public finance and its role in economic development.
CO2	Students will get acquainted with the role and effect of public expenditure on economic growth.
CO3	Students will develop an understanding about the main scope and difference between public and private expenditure.
CO4	Students will get familiarized with the knowledge of public budget its objective, importance's, preparedness, and presentation of public budget.
CO5:	This course will provide an overview of govt. into the efficiency and equity aspects of taxation of the center, state and local govt.
CO6:	It will provide a thorough understanding and knowledge and govt. Finances with references to India
Course Title: Course Code: Sem VI	Flagship Program of India 1ECOSE0602
CO1	On the completion of course, the student will be able to have a basic understanding of rural development program of Govt. of India for welfare of rural people.
CO2	Students will get familiarized with the process of rural development in post-Independence in India.

CO3	It will provide the understanding to the student with different rural development schemes implemented in India with special focus on poverty alleviation programs.
CO4	It will familiarize the students with different schemes implemented in India aiming at raising the income and livelihood of the rural people.
CO5:	This course will also provide knowledge to the students about different infrastructural facilities provided by the govt. for the upliftment of rural people.
Course Title: Course Code: Sem VI	Basic Element of Economic Theory 0ECOGENE06
CO1	On the completion of course, the student will be able to get the basic knowledge in the field of Macro and Micro Economics.
CO2	It makes the students familiarize with the concept of National income, Its method and difficulties to calculate national income
CO3	It also Exposes the student to understand the concept of banking, Its type and the process of credit creation
CO4	The students is expected to understand the behavior of the economic agent, namely a consumer, a factor owner and the price fluctuations in the market.
CO5:	It also makes the students to understand about the concept of trade cycle, inflation and deflation .
Course Title: Course Code: Sem I	(NEP) (Minor, Major) Micro Economics 1ECOMNT0101, 1ECOMJT0101
CO1	On the completion of the course, students will be able explore the basic principles in micro economic theory.
CO2	This course makes the students to understand the behavior of an economic agent a consumer, a producer or a factor of production.
CO3	The students will get familiarize about the working of the market – demand, supply, market equilibrium and elasticity of demand. The utilitarian approach from cardinal and ordinal approach and different laws of utility.
CO4	The students will learn about the production function and different cost curves
Course Title: Course Code: Sem I	(Multidisciplinary course) Introduction to Economics 1ECOMULD01
CO1	On the completion of the course, students will be able to learn about the basic theoretical framework underlying in the field of elementary economics.
CO2	The students will get familiarize about the elementary knowledge of Micro and Macroeconomics.
CO3	the students will learn about the factor of production and different forms of market.
CO4	The students will get familiarized about the national income , its role and difficulties in measuring it.

CO5	The students will understand about the meaning and functions of banking system in the economy.
CO6	The students will get aware about the fluctuations in the business cycle and inflation.



Principal

Department of Education
Govt. College for Women, Gandhi Nagar, Jammu

Course Outcomes

Course Outcome Number	Course Outcome
Course Title Course Code Sem 1st	Sociological and Philosophical Basis of Education 1EDUTC0101
CO 1	Students will understand Concept, Nature and process of education
CO2	Students will have knowledge about Functions and Components of Education
CO3	Students will have conceptual. Understanding of Meaning and Scope of Educational Sociology
CO4	Students will develop understanding of Factor of Social change, Social Group and current social problems
CO5	Students will become aware about concept of Philosophy, Educational Philosophy
CO6	Students will have knowledge about aspects of Idealism
Course Title: Course Code: Sem 2nd	Education and Psychology 1EDUTC0201
CO1	Students will have knowledge about concept of Education, Psychology and their relationship
CO2	Students will develop understanding of Human Growth, Development and Characteristics of different stages of development
CO3	Students will be able to understand the concept of Learning, Laws of Learning and Role of Motivation in Learning
CO3	Students will be able to understand Transfer of Learning and Types of Learning
CO4	Students will have conceptual understanding of Attention and Interest
CO5	Students will understand Concept of Intelligence and Individual differences
Course Title: Course Code: Sem 3rd	Education and Indian Heritage 1EDUTC0301

CO1	Students will understand the Course of History Of Education in India
CO2	Students will analyse the limitations in relation to Educational Process under each period
CO3	Students will appreciate the efforts of the past to promote Education
CO4	Students will understand Revised National Policy (1992), NCF(2005) Main Recommendations
Course Title: Course Code: Sem 3rd	Methods Of Data Analysis 1EDUSE0301
CO1	Students will have knowledge about the nature of Educational data
CO2	Students will be aware about Quantitative and Qualitative data
CO3	Students will have conceptual understanding of measurement of Central Tendency
CO4	Students will have knowledge about Frequency Polygon and Frequency Histogram
CO5	Students will have understanding of Correlation and Regression
Course Title: Course Code: Sem 4th	Educational Psychology and Pedagogy 1EDUTC0401
CO1	Students will understand about concept of Educational Psychology
CO2	Students will have knowledge about concept of Intelligence and Creativity
CO3	Students will gain knowledge of Maxims of Teaching and Techniques of Teaching
CO4	Students will understand Characteristics of Good Teacher behaviour
CO5	Students will understand Concept of Intelligence and Creativity
CO6	Students will be able to understand the concept of perception and attitude
Course Title: Course Code: Sem 4th	Yoga Education 1EDUSE0401
CO1	Students will understand Yoga and Integrated Living
CO2	Students will gain knowledge about Ashtanga Yoga of Patanjali
CO3	Students will become aware of the way to spiritual enlightenment
CO4	Students will have Conceptual Understanding of Integral Yoga of Aurobindo and modern offshoots of yoga
CO5	Students will have practical knowledge of Asans, Pranayam, Dharana,Dhyana

Course Title Course Code: Sem 5th	Issues and Trends in Contemporary Indian Education 1EDUDE0501
CO1	The Students will be able to understand the Concept of Universalisation of Elementary Education in India, Contribution of Sarva Shiksha Abhiyan (SSA), Functions of DIET and NCERT
CO2	The Students will know about the significance of Secondary Education Commission. They will be able to answer; Why Vocationalization of Secondary education is important?
CO3	The Students will be able to understand the aims of National Literacy Mission
CO4	They will also explain the concept of population education, causes responsible for the explosion of population.
Course Title: Course Code: Sem 5th	Practicum 1EDUSE0501
CO1	Students will have understanding of Practical Functioning of the School
CO2	Students will understand various types of Time Table
CO3	Students will become aware of the Mid day Meal scheme in Schools
CO4	Students will have knowledge of Cash book, It's types and rules to maintain it
CO 5	Students will have an understanding of Student's Diary and Teacher's Diary
Course Title: Course Code: Sem 6th	Educational Guidance and Curriculum Construction 1EDUDE0601
CO1	Students will have conceptual understanding of Guidance, educational guidance, Vocational Guidance and its Relationship
CO2	Students will have understanding of Counselling, types of counselling, techniques of counselling and role of the counsellor
CO3	Students will understand the Deviant children, Gifted and creative children, mental health issues and importance of mental hygiene
CO4	Students will understand Curriculum, its Types, Determinants and they will have knowledge of balanced curriculum
CO5	Students will have knowledge and understanding Curriculum construction, Critical study of curricula, Curriculum Development
CO6	Students will have knowledge and Understanding of Curriculum Evaluation

Course Title: Course Code: Sem 6th	Education and Psychology 0EDUGENE03
CO1	Students will understand Meaning of Psychology and it's contribution to Education
CO2	Students will have an understanding of concept of Learning its factors and basic laws
Co3	Students will gain knowledge of Concept of Memory and Forgetting and the various techniques to improve memory
CO4	Students will be able to understand the role of attention and interest in the Teaching learning Process
Course Title Course Code: Sem 6th	Psychological Testing 1EDUSE0601
CO1	Students will understand the Meaning of Research tool and it's Significance
CO2	Students will have Conceptual Understanding of Validity, Reliability, Usability and norms of the tool
CO3	Students will understand the application of simple Statistics on the collected Sample.
CO4	Students will be able to write the report and become aware of Action Research.
	Sem 1st Course Outcomes of The Course According to New Education Policy
Course Title: Course Code:	Basics of Education 1EDUMNT0101
CO1	Students will understand Meaning and nature of Education
CO2	Students will understand Functions and agencies of Education
CO3	Students will have Conceptual Understanding of Curriculum and Curriculum Construction
CO4	Students will have knowledge about importance of organising curricular activities
CO5	Students will have better understanding of Concept of Society, Nature of Social Problems and meaning of Social Groups
CO6	Students will understand Concept of Culture, Meaning of Educational Sociology and relationship between Education and Sociology
Course Title: Course Code	Basics of Education 1EDUMJT0101

CO1	Students will have Conceptual Understanding of Meaning and Nature of Education
CO2	Students will have Knowledge about Agencies of Education
CO3	Students will understand Concept of Curriculum and Curriculum Construction
CO4	Students will understand Concept of Society and Nature of social Problems
CO5	Students will gain knowledge about Concept of Culture, Meaning of Educational Sociology
Course Title: Course Code:	Fundamentals of Education 1EDUMULDC01 Multi Disciplinary
CO1	Students will have detailed understanding of Agencies of Education
CO2	Students will gain Knowledge of Individual Aim of Education and Social aim of Education
CO3	Students will understand Concept of Society, Contribution of Education to Indian Society
CO4	Students will understand Concept of Learning, Factors affecting Learning and Concept of Memory and Forgetting
CO5	Students will be able to know about concept of Philosophy and Educational Philosophy

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Department of EnglishGovt. College for Women, Gandhinagar, JammuCourse Outcomes

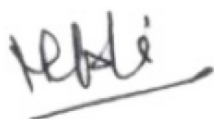
Course Outcome Number	Course Outcome
Course Title: Course Code: Sem I	LITERARY GENRES OF POETRY AND DRAMA 1ENLMJT0101
CO 1	After completing the course, the students shall be able to: Develop an understanding of the Literary terms used in Poetry.
CO 2	Develop an understanding of the Literary terms used in Drama.
CO 3	Appreciate the genre of Poetry.
CO 4	Appreciate and understand Poetry from Romantic Age to modern Age.
CO 5	Appreciate the genre of Drama.
CO 6	Understand and appreciate African and American plays
Course Title: Course Code: Sem I	MULTI DISCIPLINARY ENGLISH BRITISH LITERATURE (1ENGMULDC01)
CO 1	After Completion of this Course, the students shall be able to: Identify and describe distinct literary characteristics of the 18th century British literature driven by reason, intellect, correctness and satirical spirit.
CO 2	Gain insights into the unique traits of the literary movements “Romanticism” through the representative works of eminent writers like William Wordsworth, John Keats and P.B.Shelley.
CO 3	Examine the way literary devices like symbolism, allegory, simile, metaphor, imagery and conceits were employed by contemporary writers in order to articulate their artistic vision.
CO 4	Appreciate female voices of the Victorian period and understand the female writer’s role / position in society, the tension between the private and domestic sentiments and the larger public concerns, the contemporary responses and modern critical re-assessments
Course Title Course Code: Sem I	ENGLISH ANTHOLOGY AND GRAMMAR 1ENGTCCC01
CO 1	After completing this course, the students will: Have enhanced skills of reading, writing, speaking and learning.

CO 2	Be able to recognize and become aware of different genres like the short story, poetry, prose etc.
CO 3	Understand and appreciate a composite view of multiculturalism.
Course Title: Course Code: Sem II	WRITING SKILLS 0ENLGENE02
CO 1	After completing this course, Students will: Read texts closely for nuances of language, content, and form.
CO 2	Write effectively and produce clear and coherent prose demonstrating effective use of grammar and style.
CO 3	Analyse texts using an understanding of generic conventions and literary devices.
CO 4	Practice writing and revision as a craft with attention to voice, style, form, language, technique, and other elements of literary composition.
CO 5	Produce a body of polished, original creative work.
Course Title Course Code: Sem II	ENGLISH ANTHOLOGY AND GRAMMAR 1ENGTCCC01
CO 1	After completing this course, Students will: Have enhanced skills of reading, writing, speaking and learning.
CO 2	Be able to recognize and appreciate different genres like the short story, poetry, prose etc.
CO 3	Comprehend a composite view of multiculturalism.
CO 4	Develop Grammar skills.
Course Title: Course Code Sem-II	ENGLISH HONOURS-INDIAN CLASSICAL LITERATURE 3ENGTCC0201
CO 1	This course aims to create awareness among the students of the rich and diverse literary cultures of ancient India
CO 2	Students will be introduced to the major literary works of Indian classical dramatist.
CO 3	Students will understand the importance of devotion and dedication in human life.
CO 4	Students shall be able to identify, analyse, interpret and describe the critical ideas, values, and themes that appear in literary and cultural texts and

	understand the way these ideas, values, and themes inform and impact culture and society, both now and in the past.
Course Title: Course Code Sem-II	ENGLISH ANTHOLOGY AND GRAMMAR. 1ENGTCC02
CO 1	The course aims at enhancing the various skills of comprehension – Reading, Writing, Speaking and Learning. It also encourages recognition and awareness of genres like drama and novel.
CO 2	Through this course students will understand the thematic concerns, genres and trends of Indian writing in English.
CO 3	Through this course students will be able to know how grammar and vocabulary choices together create a range of different meanings and attempt creative writings.
CO 4	Students will also be able to know the use of language at semantic and syntactic levels and improve their vocabulary.
CO 5	Students will be able to get chance to reflect on career options based on writing skills and prepare themselves for a professional writing career.
CO 6	Through this course students will be able to know literary theories, terms and concepts in criticism.
Course Title: Course Code Sem-III	CREATIVE WRITING (SKILL ENHANCEMENT COURSE) 1ENLSE0301
CO 1	This course will help the students to use information from a variety of resources to extend their knowledge and skills for different purposes.
CO 2	Students will get acquainted with the different kinds of writing.
CO 3	Students will develop the understanding of the creative process as a forum for critical as well as intuitive thinking.
CO 4	The course will enhance the understanding of literary composition and actively engage them in the craft and practice of creative writing
Course Title: Course Code Sem-III	ENGLISH LITERATURE BRITISH LITERATURE (1ENLTC0301)
CO 1	After Completion of this Course, the Students shall be able to: Trace the developmental history of English Literature from Old English Period to 19th century
CO 2	Show familiarity with major literary works by British writers in the field of Novel, Drama and Poetry.
CO 3	Be acquainted with major religious, political and social movements from 14th to 19th century and their influence on literature.
CO 4	Learn various interpretative techniques to approach literary texts of varied genres and how they contribute to the complexity of values and emotions represented in the texts.

CO 5	Develop a thorough understanding of the various eras in the history of English literature including the Renaissance, Restoration and Neoclassical periods through the perusal of representative works of the time.
Course Title: Course Code Sem-III	ENGLISH ANTHOLOGY AND GRAMMAR 1ENGTCCC02
CO 1	Students will be able to study the different works from a range of genres which enable them to have conscious assimilation of the grammar and the language.
CO 2	The course will help the students to enhance their writing skills and motivate them to apply the same in real life experiences.
Course Title: Course Code Sem-IV	ENGLISH LITERATURE 1ENLTCC0401
CO 1	This course will help the students to broaden their horizon by giving them knowledge of classics of literature.
CO 2	Students will have enhanced creativity and literary imagination.
CO 3	This course will help students in improvising their cultural awareness.
CO 4	Students will develop the skill of appreciating the literature from different perspectives.
Course Title: Course Code Sem-IV	LEARNING MASS MEDIA 1ENLSE0402
CO 1	This course will help the students to develop good communication skills.
CO 2	Students will be equipped with necessary skills required in this field to prepare them for various job profiles.
Course Title: Course Code Sem-V	English Literature 1ENLDE0503
CO 1	Students will be able to comprehend the concepts of Science Fiction.
CO 2	It will encourage students to analyse the imaginary characters and drama in Science Fiction.
CO 3	The students will be able to predict possible alternatives for the future.
CO 4	The students will be exposed to a wide range of Science Fiction literature.
Course Title: Course Code Sem- VI	INDIAN WRITING IN ENGLISH Course Code: 0ENLGENE03
CO 1	After completing this course, Students will be: Acquainted with some major Indian authors like R.K.Narayan, Rohinton Mistry, Kamla Das.
CO 2	Appreciate various forms of English Literature like novels, plays, poetry etc.
CO 3	Able to understand various themes in contemporary English Literary.

CO 4	Introduced with the important works in the 20th century such as Postcolonial literature and literature in Translation.
Course Title: Course Code Sem- VI	CRITICAL APPRECIATION 1 ENLSE0602
CO 1	Students will be acquainted with: literary terms of poetry like Personification, Alliteration, Simile, Metaphor, Allegory etc.
CO 2	Literary terms of drama like Irony, Satire, Climax, Fable, Genre, Anti-climax, Antagonist, Archetype, and Monologue etc.
CO 3	Critical analysis and appreciation of Poetry and Prose.



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English Honours

Course Title: Course Code : Sem 1	INDIAN WRITING IN ENGLISH 3ENGT0102
CO 1	Students will be able to develop an artistic temperament and creative writing skills.
CO 2	The students will get to know about the social issues like Superstitions casteism, poverty, illiteracy and many other social evils that were eating the vitals of Indian society.
CO 3	The students will be introduced with the rich Indian Culture, social and traditional values to multifarious issues like the freedom struggle, nationalism and contemporary modern issues.
CO 4	This course will enable the students to discover themselves and tackle complex crises in their workplace and personal lives.
Course Title: Course Code : Sem II	INDIAN CLASSICAL LITERATURE 3ENGT0201
CO 1	The course will create awareness among the students of the rich and diverse literary cultures of Ancient India
CO 2	The course will introduce the students to the major literary works of Indian classical dramatists.
CO 3	The students will understand the importance of devotion and dedication in human life.
CO 4	The students shall be able to identify, analyse, interpret and describe the critical ideas, values, and themes that appear in literary and cultural texts and understand the way these ideas, values, and themes inform and impact culture and society, both now and in the past.
Course Title: Course Code : Sem II	EUROPEAN CLASSICAL LITERATURE 3ENGT0202
CO 1	The students will be able to: Demonstrate critical thinking skills in understanding the breadth and depth of European literature.
CO 2	Recognize the development of the literary genres of the Europe.
CO 3	Understand the themes , structure and styles in European Classical Literature
CO 4	View British literature in its socio cultural and political contexts.
Course Title:	Creative and Critical Writing

Course Code: Sem II	3ENGSE0202
CO 1	Students will be engaged analytically and critically with a range of literary texts.
CO 2	Students will be able to recognise how critical reading ignites writers mind with inspiration and ideas.
CO 3	Students will be able to write book reviews, scripts, short stories and critical appreciation of Poems
CO 4	Students will be able to evaluate how craft, style, and technique in creative writing influence the writing process and strategies for revision.
Course Title: Course Code : Sem III	British Poetry and Drama: 17th and 18th Century 3ENGTCO303
CO 1	The students will be able to comprehend the spirit of realism and romantic literature i.e. enthusiasm, passion and imagination.
CO 2	This course will help the students to develop critical thinking, vocabulary and writing skills.
CO 3	Through this course, the students will be able to focus on literary purpose of conscious and deliberate arrangement of the words for appealing and reading effect.
Course Title: Course Code : Sem III	BUSINESS COMMUNICATION 3ENGSE0301
CO 1	Through this course, the students will be able to develop key skills that will prepare them for a range of real world business situations including interviews, meetings, problem- solving and team projects.
CO 2	Students will learn how to build and maintain positive relationship with customers for effective business communication.
CO 3	Students will be able to know how to exchange information between employees in the organisation.
CO 4	This course will enable the students to know how the employees and management interact with one another through effective communication to accomplish organisational goals.
Course Title: Course Code : Sem III	POPULAR LITERATURE 3ENGT C 0302
CO 1	This course will familiarize the students with the socio-cultural ambience and the discursive frameworks of the Victorian Age.
CO2	The students will be encouraged to analyse the complexities of popular culture and its social and cultural function.

CO3	The students will gain insights into the genre of Popular Literature through an appreciation of Agatha Christie, Lewis Carroll, Chetan Bhagat, Shyam Silvadurai, prolific writers of Popular literature.
CO 4	This course will help the students to develop a nuanced appreciation of various literary genres of popular Literature.
CO 5	This course will introduce the students to genres such as Children Literature, detective fiction, fantasy and help them to gain a better understanding of the popular roots of literature.
Course Title: Course Code : Sem III	AMERICAN LITERATURE (3ENGT0301)
CO 1	After Completion of this Course, the Student shall be able to: Know the background of civil war and Transcendentalism.
CO 2	Understand the social, cultural, ecological, political, historical, religious and Philosophical contexts of the American spirit in literature including the idea of democracy, Millennial Narratives, the Myth of Success, the American Adam, the Myth of the Old South, the Wild West, Melting pot, Multiculturalism, etc.
CO 3	Comprehend the effects of racism and emergence of Black Literature.
CO 4	Understand the depth and diversity of American literature, keeping in mind the history and culture of the United States of America from the colonial period to the present.
CO 5	Critically analyse American literary texts in the light of several movements in literature and understand the changing faces of texts with developments in culture.
CO6	Compare and Contrast literary works through an analysis of genre, theme, character, and other literary devices.
Course Title: Course Code: SEM III	ENGLISH DRAMA PROSE AND POETRY 0ENGGENE04
CO 1	This course will expose the students to the best prose and poetry in English to realize the beauty and communicative power of literature.
CO 2	Students will develop the ability to appreciate ideas and think critically.
CO 3	This course will acquaint the students with forms of literature in English and help them to appreciate the creative use of language in literature.
CO 4	This course will introduce the students with drama as a major form of literature and familiarize them with the minor forms, elements and the types of Drama.
Course Title: Course Code : Sem IV	SOFT SKILLS 3ENGSE0401
CO 1	On completion of this course, the students will be able to: Have basic knowledge of the meaning, scope and objectives of Soft Skills.

CO 2	Effectively communicate through verbal/oral communication and improve the listening skills.
CO 3	Write precise briefs or reports and technical documents.
CO 4	Actively participate in group discussion / meetings / interviews and prepare & deliver presentations.
CO 5	Become more effective individual through goal/target setting, self-motivation and practicing creative thinking.
CO 6	Perform effectively in multi-disciplinary and heterogeneous teams through the knowledge of team work, Inter-personal relationships, conflict management and leadership quality.
Course Title: Course Code : Sem IV	ROMANTIC LITERATURE 0ENGGENE06
CO 1	On completion of this course, the students will be able to: Demonstrate a detailed knowledge and understanding of selected fields of Romantic Literature.
CO 2	Keep them abreast with the romantic poetry of William Wordsworth, S.T Coleridge, John Keats and P.B Shelly.
CO 3	Comprehend the various poetic devices used in prose and poetry.
CO 4	Recall the historical and social events of the Romantic Period and recognizes the elements of poetry & literary terms.
Course Title: Course Code : Sem IV	BRITISH ROMANTIC LITERATURE 3ENGT0402
CO 1	This course will help the students to focus on the emergence of romanticism and understand the influence of historical and geographical elements on the literature.
CO 2	This course will help the students to comprehend poetry and prose by emphasising on the importance of individual with a conviction that people should follow ideals rather than imposed conventions and rules.
Course Title: Course Code : Sem IV	BRITISH LITERATURE: THE EARLY 18TH CENTURY 3ENGT0401
CO 1	This course will help the students in reading literary texts, appreciating and evaluating cultural artefacts and in broad terms the understanding of the society, culture and ourselves as we function within.
CO 2	The students will be able to use the literary tools ready in hand for language acquisition and contribute cultural knowledge and understanding.
Course Title: Course Code : Sem IV	BRITISH LITERATURE 19 TH CENTURY 3ENGT00403

CO 1	This course will enhance the understanding and appreciation of different cultures and ideologies together.
CO 2	This course will develop the students' perception of feelings and artistic forms.
CO 3	This course will act as a catalyst to acquire and stimulate learning.
Course Title: Course Code : Sem V	BRITISH LITERATURE: THE EARLY 20TH CENTURY (3ENGTC0502)
CO 1	After completing this course, the students shall be able to: Get familiar with the new literatures of Britain in the early decades of 20th century.
CO 2	Have thorough knowledge of the major literary movements of the period, and the socio-cultural conditions of British society in which the texts discussed were produced.
CO 3	Get an insight into the major issues related to the cultural and social context introduced in the literature of the 20th century.
CO 4	Understand the literary criticism and innovative techniques introduced by the writers of 20th century.
CO 5	Know the cultural, political, and stylistic protocols of modernism, post-modernism and its various literary movements.
Course Title: Course Code : Sem V	INDIAN WRITING IN ENGLISH TRANSLATION (3ENGDE0502)
CO 1	After completing this course, the students shall be able to: Understand the various features of Indian literature in English by reading the stalwarts of Indian literature.
CO 2	Get a glimpse of the regional literature translated in English and analyse the strength and constraints of Indian English as a literary medium.
CO 3	The students will be aware of the superstitious practices prevalent in Indian society and the need of wiping out social evils.
CO 4	This course will help the students to analyse how the sociological, historical, cultural and political context impacted the texts selected for study.
CO 5	Students will have a holistic understanding of society and social issues like freedom, untouchability, caste, gender roles etc. through the various representations in autobiographies, novels, short stories and poetry.
Course Title: Course Code : Sem V	COMMUNICATION SKILLS AT WORKPLACE 1ENLSE0502
CO 1	This course will help the students to understand and apply communication theory.
CO 2	This course will enable the students to think critically about communication process.
CO 3	The students will be able to write effectively for a variety of contexts and audiences.
CO 4	This course will enhance their interactive skills and engage them in scholarly inquiry and social scientific research.

Course Title: Course Code : Sem V	WOMEN WRITING 3ENGT0501
CO 1	This course will encourage the students to communicate their thoughts and feelings about the story and relate them with the attitude and opinions expressed by the author or the characters.
CO 2	This course will help the students to develop their sense of self- realization, moral code, and understanding of the world.
CO 3	The students will be able to identify, analyse, interpret and describe the critical ideas, values, and themes that appear in literary and cultural texts and understand the way these ideas, values, and themes inform and impact culture and society, both now and in the past.
Course Title: Course Code : Sem V	PARTITION LITERATURE Sem-5 3ENGDE0503
CO 1	This course will help the students to understand the relation between independence and partition.
CO 2	The students will be able to know that how Indian leaders built a new nation.
CO 3	Through this course, the students will be able to summarize that how India was divided into two on the basis of religion.
CO 4	The students will be able to comprehend the literary works reflecting the theme of partition.
Course Title: Course Code : Sem V	MODERN EUROPEAN DRAMA Course Code: 3ENGT0601
CO 1	This course will provide the students an overview of how modernity was introduced in 20 th century drama.
CO 2	The students will have an overview of formative theatrical movements in Europe.
CO 3	This course will enable the students to understand innovative performance trends at the end of the 19 th century and their evolution into the 20 th century.
CO 4	The students will be able to know about the engagement of theatre with social issues.
CO 5	The students will understand the concepts such as modernity, theatricality, absurd theatre, epic theatre etc. engaging with theoretical concepts of realism and naturalism while reading prescribed texts.
CO 6	The students will develop the ability to see intersectionality of class/gender/ideological issues with others and those present in the various texts.
Course Title: Course Code : Sem V	POST-COLONIAL LITERATURE 3ENGT0602
CO 1	On successful completion of this course, the students will be able to: Gain a postcolonial perspective on literature written in India and other erstwhile colonies
CO 2	Identify major postcolonial writers and trends in postcolonial literatures.

CO 3	Apply postcolonial methodology to interpret literature.
CO 4	Know how race, class, gender, history, and identity are presented and problematized in the literary texts.
Course Title: Course Code : Sem V	PROJECT WORK 3ENGDEPR01
CO 1	The students will be able to identify, analyse, interpret and describe the critical ideas, values, and themes that appear in literary and cultural texts and understand the way these ideas, values, and themes inform and impact culture and society, both now and in the past.
CO 2	The students will be able to write analytically in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources.
CO 3	The students will be able to ethically gather, understand, evaluate and synthesize information from a variety of written and electronic sources.
Course Title: Course Code: Sem VI	MODERNISM AND POST MODERNISM 3ENGDE0605
CO 1	After completion of this course, the students will be able to: Analyse texts of the 20th and 21st century in terms of form and language, meaning and formal innovations.
CO 2	Incorporate elements of the historical and social aspects of the period into an understanding of the texts.
CO 3	Analyse, assess, and apply secondary critical sources on the subjects and texts studied.
CO 4	Apply basic knowledge of theoretical and philosophical concerns associated with modernism and post-modernism to the interpretation of exemplary literary texts.
Course Title: Course Code: Sem VI	WOMEN WRITERS IN INDIA 1 ENLDE0601
CO 1	This course will introduce the students to the theory, fundamentals and themes of caste, class, gender, race, war and globalization, and how these affect the individual.
CO 2	This course will enable the students to develop the skills of textual analysis.
CO 3	This course will help students to develop a better understanding and comprehension of how similar issues were tackled by writers from different backgrounds and milieus.

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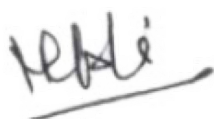
Functional English

Course Title:	Introduction to Phonetics and grammar
Course Code:	1FUEMNT0101
Sem Ist	Functional English
CO 1	The students will be able to know about language's social perspective.
CO 2	This course will help the students to improve their linguistic communication and phonetics (which deals with medium of speech).
CO 3	This course will enhance the understanding of production, transmission and reception of sounds of human speech.
CO 4	The students will develop the understanding of organs of speech, different air stream mechanisms involved in the production of speech sounds.
CO 5	The students will learn the classification and description of different speech sounds i.e. consonant sounds and vowel sounds
Course Title:	TITLE: METHODOLOGY- FUNCTIONAL ENGLISH
Course Code:	COURSE CODE: 1FUEPC0101
Sem Ist	
CO 1	After completing this course, the students will: Develop Grammar skills.
CO 2	Develop LSRW –Listening, Speaking, Reading, Writing Grammar Skills.
CO 3	Comprehend speech sounds and patterns.
CO 4	Learn to make a Presentations(PPT) and participate in Debates / Extempore etc.
Course Title:	PHONETICS AND GRAMMAR – 2
Course Code:	COURSE CODE: 1FUETC0201
Sem II	
CO 1	After completing this course, the students will: Be able to handle the target language effectively in an internationally acceptable manner with special emphasis on the exact production of speech sounds.
CO 2	Identify distinctive English sounds, its production and the varied phonetic symbols.
CO 3	Get an exposure to different world accents in English.
Course Title:	APPLIED PHONETICS

Course Code: Sem II	1FUEPC0201
CO 1	After completing this course, the students will: Learn to apply word stress in a sentence.
CO 2	Learn the use of accent and rhythm in a sentence.
CO 3	Be able to pronounce a sentence with proper intonation.
CO 4	Be able to understand British and American varieties of the English language in terms of spelling and pronunciation.
Course Title: Course Code: Sem III	WRITING SKILLS 1FUEPC0301
CO 1	This course will help the students to develop writing and conversational skill.
CO 2	The students will be confident in practical skills like Introducing self, Face to face conversation, Telephonic conversation etc.
CO 3	This course will help the students in acquiring skills of listening, speaking, reading, writing, presenting and performing.
Course Title: Course Code: Sem III	CONVERSATIONAL ABILITY AND GRAMMAR 1FUETC0301
CO 1	The students will learn the Language as a foundation where good command of English is required for academic study and career progression.
CO 2	This course will develop the skills of listening, speaking, reading, and writing.
CO 3	This course will help the students to grasp and motivate others to develop their thinking abilities and enhance their conversation.
Course Title: Course Code: Sem III	CREATIVE WRITING 1FUESE0301
CO 1	On completion of this course, the students will be able to: Learn the creative writing program to deepen their understanding of literary composition and actively engages them in the craft and practice of creative writing.
CO 2	Read the literature as writers, paying particular attention to voice, style, form, language, and technique.
CO 3	Read texts closely for nuances of language, content, and form.
CO 4	Write effectively and produce clear and coherent prose and poetry demonstrating effective use of grammar and style.
CO 5	Construct arguments and execute well-structured, thesis-driven interpretations based on textual evidence.
CO 6	Develop acumen for writing for media including television and radio.
Course Title: Course Code: Sem V	READING AND LISTENING SKILLS Course Code: 1FUEDE0501
CO 1	This course will help the students to develop English-language proficiency and gain confidence in reading, writing, speaking and listening.
CO 2	Through this course, the students will get general awareness of pronunciation, vocabulary and grammar of English language and acquire LSRW skills needed for academic transactions, discussions, presentation and debating.

CO 3	The students will develop writing skills and integrate writing and thoughts to acquire the correct sense of format, syntax, grammar, punctuation and spelling along with the concepts, principles and vocabulary of reasoning.
CO 4	Learners get an awareness of the basic concepts and theoretical frameworks of creative writings, translation studies and to develop research aptitude by learning literally and cultural theories
CO 5	To develop critical thinking ability and sensibility towards social, economic and societal situations by reading the texts from various genres of literatures.
Course Title: Course Code: Sem V	COMMUNICATION SKILLS 0FUEGENE03
CO 1	After completing this course, the students shall be able to: Know the theory, fundamentals and tools of communication.
CO 2	Understand communication process models which are integral to personal, social and professional interactions.
CO 3	Learn the language of communication, such as personal communication, social interactions and communication in professional situations.
CO 4	Understand the mass communication and its types.
CO 5	Develop competence in communication skills related to production and presentation of messages in multiple formats and understand the importance of body language.
Course Title: Course Code: Sem V	TECHNOLOGY MEDIATED ENGLISH 1FUESE052
CO 1	On completion of this course, the students will be able to: Become tech Savvy in learning English language and literature.
CO 2	Have the knowledge of World Wide Web/ Internet.
CO 3	Understand Twitter and Blog.
CO 4	Prepare and present the academic paper online.
CO 5	Develop the academic resources online.
Course Title: Course Code: Sem V	Reading & Listening Skills 1FUEDE0501
CO1	To identify the characteristics of receptive skills.
CO2	To identify the characteristics of receptive skills.
CO3	To identify the characteristics of reading skill.
CO4	To analyse active and passive vocabulary in a text.
CO5.	To analyse how to teach reading.
CO6	To identify the characteristics of listening skill.
Course Title: Course Code: Sem VI	JOURNALISM 1FUESE0601
CO 1	After completing this course, the students will: Be acquainted with the History of Journalism.
CO 2	Understand the Fundamentals of Journalism.

CO 3	Develop an understanding of various types of Reporting, editing and other important aspects of Journalism.
CO 4	Learn to write for the newspaper headlines, Breaking News, Tickers, Writing Editorials, Writing Columns, and Writing Scripts.
Course Title: Course Code: Sem VI	PERSONALITY DEVELOPMENT 1FUEDE0602
CO 1	This course will help the students to develop skills to embrace change, handle setbacks, and thrive in dynamic work environments.
CO 2	The students will be able to improve verbal and non- verbal communication abilities, active listening and expressing ideas effectively.
CO 3	The students will learn techniques to manage stress, build resilience, and maintain overall wellbeing in personal and professional life.
CO 4	This course will help the students to acquire skills to expand professional networks, establish connections, and nurture relationships.
CO 5	The students will be equipped with skills of setting personal and professional goals, creating action plans, and continuously working towards self-improvement.



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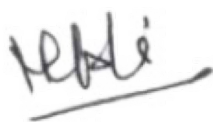
Department of Environmental Sciences
Govt. College for Women, Gandhi Nagar, Jammu

Course Outcomes

Course Outcome Number	Course Outcome
Course Title Course Code Sem 1st/2nd	Environmental Science (Ability Enhancement course) 0EVSAECC01
CO 1	After completion of the course: Students will be able to describe the challenges and opportunities associated with human environment interactions.
CO2	Students will understand more about sustainable way of living.
CO3	Students will be able to explain the behaviour of organisms under natural conditions.
CO4	Students will have knowledge of the Environmental education which may be used as an important component to solve environmental problems must stay relevant to needs and interests of community.
Course Title: Course Code: Sem 3rd	Solid Waste Management UESTS 301
CO1	Students will be able to explain the various issues related with the solid waste and its management.
CO2	Student will be able to explain how waste is a major nuisance in India.
CO3	Students will be able to apply the knowledge of management of both biodegradable and non-biodegradable waste.
Course Title: Course Code: Sem 4th	Environmental Impact Assessment (EIA) UESTS 401
CO1	Students will be able to describe the process of environment impact assessment and major benefits.
CO2	Students will know more about the different stages at a developmental project undergoes to insure minimal environmental impact using EIA.

CO3	Students will understand the various methodologies used for conducting EIA.
Course Title: Course Code: Sem 5th	Environmental pollution and management UESTS 501
CO1	Students will be able to explain the challenges posed by environmental pollution and measure to control it.
CO2	Students will know more about the causes and effects of environmental pollution and they will be able to apply the knowledge for the control of environmental pollution.
CO3	Students will understand the various ways to tackle of environmental pollutants.
Course Title: Course Code: Sem 6th	Environmental hazard: concept and management UESTS 601
CO1	Students will be able to describe the challenges posed by various Environmental hazards.
CO2	Students will know more about causes and effects of natural and man-made disasters. and they will be able to apply the knowledge for control of natural and man-made disasters.
CO3	Students will understand the disaster management cycle and its application in minimising impact of a disaster.
Courses Under NEP 2020	
Course Title: Course Code: Sem 1st	Fundamentals of Environmental Sciences 1EVSMNT0101.
CO1	Students will be able to describe the challenges and opportunities associated with human environment interactions.
CO2	Students will have knowledge about sustainable way of living.
CO3	Students will understand the behaviour of organisms under natural conditions.
CO4	Students will realise that we must live in harmony with nature. If we protect nature, she will protect us
Course Title: Course Code: Sem 2nd	Natural Resources 1EVSMNT0201
CO1	Students will get acquainted to the natural resources and various ecological services provided by them and consumption patterns of resources worldwide.
CO2	Students will know more about the sustainable use of natural resources.

CO3	Students will be able to describe the causes of overexploitation of natural resources.
CO4	Students will be able to apply the practical knowledge for the conservation of natural resources.
Course Title: Course Code: Sem 1st/2nd	Environmental Issues and Sustainability 1EVSMULDC01
CO1	Students will be motivated to get acquainted to with various environmental challenges and ways to overcome them.
CO2	Students will know more about sustainable way of living.
CO3	Students will have detailed knowledge of the various national and international efforts, taken for the conservation of environment.
CO4	Students will be able to apply the knowledge of various green technologies in their day to day life.
CO 5	Students will become aware about various national and international environmental laws and policies
Course Title: Course Code: Sem 1st/2nd	Environmental Education 1EVSVACAD03
CO1	Students will get acquainted to the challenges and opportunities associated with human environment interactions.
CO2	Students will engage in a sustainable way of living.
CO3	Students will have detailed knowledge of the behaviour of organisms under natural conditions.
CO4	Students will become aware about Environmental education which is being used as an important component to solve environmental problems must stay relevant to needs and interests of community.



Principal

Department of Food ScienceGovt. College for Women, Gandhi Nagar, JammuCourse OutcomesBachelor's Degree

Course outcome number	Course Outcomes
Bachelors Degree, First Semester, CORE COURSE Title of paper: Basic Nutrition and Food Chemistry Course Code : - (1FSTTC0101) Semester :- 1st	
CO1	After completion of the course: Students will understand the relationship between nutrition and human well being.
CO2	Students will understand the functions, importance of all nutrients for different age groups and special groups
CO3	Students will get the knowledge about the major and minor components of foods.
CO4	Students will understand the composition and properties of food.
Bachelors Degree, Second Semester, CORE COURSE Title of paper: Food Microbiology, Sanitation and Hygiene Course Code :- (1FSTTC0201) Semester : 2nd	
CO1	Food microbiology concerns with the relationships between microorganisms, food and human beings.
CO2	Students will acquire elementary knowledge about microorganisms because they have both adverse and beneficial effects.
CO3	Students will understand the role of microorganisms in environment, industry and in maintenance of health.
CO4	Students will understand the importance of safe handling of food and food safety which controls major food borne pathogens in primary agriculture production

	and processing through the application of new and traditional processing technologies, antimicrobials, sanitation, HACCP based strategies and risk analysis.
Bachelors Degree, Third Semester, CORE COURSE Title of paper: Post Harvest Technology Course Code :- (1FSTTC0301) Semester : 3rd	
CO1	Students will understand the physical and chemical changes in food
CO2	Students will gain the knowledge about the basic processing technology
CO3	Students will understand how to assess quality control in food industry
CO4	Students will understand the role of additives and preservatives in food industry
Bachelors Degree, Third Semester, SKILL ENHANCEMENT COURSE Title of paper: Technology of Processing of Fruits and Vegetables Course Code: - (1FSTSE0301) Semester :- 3rd	
CO1	Students will understand the composition of various fruits and vegetables
CO2	Students will get familiarize with the changes occurring in various fruits and vegetables as a result of processing and cooking
Bachelors Degree, fourth Semester, CORE COURSE Title of paper: Sensory Evaluation and Food Packaging Course Code :- (1FSTTC0401) Semester : 4th	
CO1	Students will understand the concept of quality analysis in foods, its importance and methods involved
CO2	Students will understand the anatomy and physiology of the human senses

CO3	Students will get familiarize about setting a sensory evaluation laboratory and to understand panel recruitment, selection and training
CO4	Students will gain knowledge how to Plan and carry out commonly used sensory evaluation methods, including analyzing, interpreting and reporting their results
CO5	Students will understand the concept of different types of food packaging materials
CO6	Students will gain knowledge about various types of scavengers and emitters in the form of active and intelligent packaging for improving the food shelf life
CO7	Students will understand about the Shelf life evaluation of packaged foods
CO8	Students will understand about safety and legislative requirements of packaging materials
CO9	Students will understand about recycling and use of green plastics for reducing the pollution and their effect on food quality

Bachelors Degree, Fourth Semester, SKILL ENHANCEMENT COURSE

Title of paper: Basic Bakery Technology and Entrepreneurship

Course Code :- (1FSTSE0401)

Semester : 4th

CO1	Students will understand the composition of cereals
CO2	Students will get familiarize with changes occurring in various baked products as a result of processing
CO3	Students will gain knowledge about the use of theoretical knowledge in various applications and food preparations

Bachelors Degree, Fifth Semester, DISCIPLINE SPECIFIC ELECTIVE COURSE

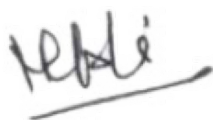
Title of paper: Food Adulteration and Food Toxicology

Course Code : - (1FSTDE0501)

Semester :- 5th

CO1	Students will understand about different food laws and their role.
CO2	Students will understand how to assess general composition and quality criteria for the food products
CO3	Students will understand what is adulteration and various adulterants and how to detect the adulterants in food
CO4	Students will understand importance of toxicology
Bachelors Degree, Fifth Semester, SKILL ENHANCEMENT COURSE Title of paper: Food Product Development and Entrepreneurship Course Code:- (1FSTSE0501) Semester : 5th	
CO1	Students will understand and know various aspects of food development including food science and technology
CO2	Students will gain knowledge how to develop products which meet consumer needs and nutrition and commercially viable
Bachelors Degree, Sixth Semester, CORE COURSE Title of paper: Packaging Technology Course Code :- (1FSTSE0601) Semester: 6th	
CO1	Students will understand the role and function of packaging materials used for a range of consumer food needs and wants
CO2	Students will understand about the technology and raw materials involved in manufacture of various packaging materials
CO3	Students will understand about various types of packaging material and their properties used in packaging of food product and to compare packaging materials to each other and understand their differences and similarities
CO4	Students will understand how to choose and design the appropriate packaging materials and types in relation to the particular food that is to be packaged as well as to understand any problems that may occur due to inappropriate packaging in different types of food.
CO5	Students will understand the technology involved in the production, shaping and printing of various packaging materials and packages
CO6	Students will gain knowledge about the quality evaluation test for packaging materials

CO7	Students will understand proper Regulations and standards related to packaging materials
Bachelors Degree, Sixth Semester, SKILL ENHANCEMENT COURSE Title of paper: Technology of processing of Milk and Milk products Course Code :- (1FSTSE0601) Semester : 6th	
CO1	Students will understand the composition of various milk and milk products
CO2	Students will get familiarize with changes occurring in various milk and milk products
CO3	Students will understand about various processing equipments and techniques of milk and milk products
CO4	Students will get knowledge about the utilization of various by-products of dairy products



Principal

Department of Food ScienceGovt. College for Women, Gandhi Nagar, JammuCourse OutcomesMasters Degree

Course Outcome Number	Course Outcome
Master's Degree, First Semester, HARD CORE COURSE Title of paper: Principles of Food Processing and Preservation Course Code :- (2FSTHC0101) Semester: - 1st	
CO1	Students will understand food processing and technology, its history, development and present status.
CO2	Students will understand the significance and basic concepts of the subject and reasons for preserving food
CO3	Students will understand what role temperature can play in preserving food
CO4	Students will understand how to determine the thermal process evaluation time and temperature for different foods
CO5	Students will understand the role of food additives in preservation and their legislations
CO6	Students will understand about the newer methods and concept of food preservation
Master's Degree, First Semester, HARD CORE COURSE Title of paper: Food Chemistry and Nutrition Course Code:- (2FSTHC0102) Semester :- 1st	
CO1	Students will understand the chemistry of the important nutrients and their properties.
CO2	Students will understand the structure, functions and metabolic aspects of food constituents.
CO3	Students will understand the importance of various foods and nutrition's for different age groups
CO4	Students will get introduction and understanding about the metabolism, uses, processing of nutrients.

CO5	Students will understand the properties and role of various constituents in food, interaction & changes during processing.
Master's Degree, First Semester, HARD CORE COURSE Title of paper: Advances in Food Microbiology Course Code :- (2FSTHC0103) Semester :- 1st	
CO1	Students will get deeper knowledge of role of micro-organisms in human and environment
CO2	Students will understand the importance of micro-organism in food spoilage and to learn advanced techniques used in food preservation.
CO3	Students will understand the latest procedure adopted in various food operation to prevent food-borne disorders and legal aspects involved in these areas.
Master's Degree, First Semester, HARD CORE COURSE Title of paper: Computer Application and Statistics Course Code :- (2FSTHC0104) Semester : 1st	
CO1	Students will gain knowledge of computer usage.
CO2	Students will understand the importance of computer application in the field of food technology.
Master's Degree, First Semester, HARD CORE COURSE Title of paper: Practical Course Code :- (2FSTHP0101) Semester : - 1st	
CO1	Students will gain knowledge of various processing and Preservation techniques
CO2	Students will understand how to standardize solutions
CO3	Students will understand various microbiological techniques
CO4	Students will gain knowledge of computer in the field of Food Science and Technology

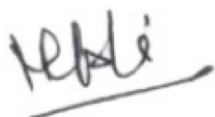
Master's Degree, Second Semester, HARD CORE COURSE Title of paper: Sensory Evaluation and Packaging Technology Course Code :- (2FSTHC0201) Semester :- 2nd	
CO1	Students will gain knowledge of various packaging material and its importance
CO2	Students will understand the packaging laws and regulations
CO3	Students will understand appropriate packaging material for variety of food stuffs viz a viz the need for preventing environment degradation
Master's Degree, Second Semester, HARD CORE COURSE Title of paper: Food Engineering Course code :- (2FSTHC0202) Semester :- 2nd	
CO1	Students will get familiarize with the fundamentals of food engineering
CO2	Students will understand the knowledge of basic principles of engineering for a food industry
Master's Degree, Second Semester, HARD CORE COURSE Title of paper: Research Methodology and Scientific Writing Course Code :- (2FSTHC0203) Semester :- 2nd	
CO1	Students will get knowledge about different types of research methods
CO2	Students will understand the characteristics and application of research.
Master's Degree, Second Semester, HARD CORE COURSE	

Title of paper: Practical- 2 Course Code :- (2FSTHP0201) Semester :- 2nd	
CO1	Students will understand the significance of research methodology.
CO2	Students will understand basic principles of engineering for a food industry
CO3	Students will get familiarize with flavour instruments.
Master's Degree, Third Semester, HARD CORE COURSE Title of paper: Flavour Technology and Instrumentation Course Code :- (2FSTHC0301) Semester : 3rd	
CO1	Students will get knowledge about various aspects of flavours in foods.
CO2	students will get familiarize with changes occurring in food flavors during processing
CO3	Students will understand with different method of determination in food and biochemical analysis.
CO4	Students will gain knowledge about different instruments used.
Master's Degree, Third Semester, HARD CORE COURSE Title of paper: Technology of Processing of Milk and Milk Products Course Code :- (2FSTHC0302) Semester :- 3rd	
CO1	Students will understand the composition of various milk and milk products
CO2	Students will understand with the changes occurring in various milk and milk products during processing

CO3	Students will understand the theoretical knowledge in various applications and food preparation.
Master's Degree, Third Semester, HARD CORE COURSE Title of paper: Principles of Processing Of Fruits and Vegetables Course Code :- (2FSTHC0304) Semester : - 3rd	
CO1	Students will get knowledge of basic principles and applied aspects of food processing and technology
CO2	Students will understand about the composition of various fruits and vegetables
CO3	Students will understand about the changes occurring in various fruits and vegetables as a result of processing and cooking.
Master's Degree, Third Semester, HARD CORE COURSE Title of paper: Practical (2FSTHP0301)	
CO1	Practical
Master's Degree, Fourth Semester, HARD CORE COURSE Title of paper: Food Product Development, Marketing and Consumer Affairs Course Code:- (2FSTHC0401) Semester: 4th	
CO1	Students will understand and get knowledge of various aspects of food development
CO2	Students will understand how to develop products which meet consumer needs and nutritionally and commercially viable.
CO3	Students will understand how to recognize the potential for entrepreneurship through marketing.
Master's Degree, Fourth Semester, HARD CORE COURSE Title of paper: Operation Research – Food Plant Layout and Management	

Course Code :- (2FSTHC0402) Semester : - 4th	
CO1	Students will get knowledge about key areas of food plant layout
CO2	Students will understand what are the basic grounds in designing a food plant
CO3	Students will understand the functioning of a food plant
Master's Degree, Fourth Semester, SOFT CORE COURSE Title of paper: Technology of Fermentation, Malting and Brewing Course Code :- (2FSTSC0402) Semester : - 4th	
CO1	Students will understand the history and developments in food fermentation about fermenter design, different types of fermentations
CO2	Students will understand about fermentation process including strain selection, development, media design, formulation and recovery of products.
CO3	Students will understand how to classify and explain the different types of fermented foods
CO4	Students will understand the use of fermentation processes in waste management
CO5	Students will understand processing operations involved in enzyme, single cell protein, antibiotics production., etc
CO6	Students will understand about enzymes and their role in food processing
Master's Degree, Fourth Semester, SOFT CORE COURSE Title of paper: Food Product Development, Marketing and Consumer Affairs Course Code :- (2FSTSC0404) Semester :- 4th	

CO1	Students will get deep knowledge base in key areas of food plant layout
CO2	Students will understand how to design food plant layout and develop critical abilities
CO3	students will understand the functioning of a food plant.
Master's Degree, Fourth Semester, PROJECT COURSE Title of paper: Project Work (2FSTPR0401)	
CO1	Students will acquire an in-depth understanding of practical aspects of knowledge and skill acquired during the course work in relevant subjects.
CO2	Students will understand how to gain hands on experience for higher proficiency in their selected area of expertise
CO3	students will develop and have their analytical abilities for situation analysis and bringing about improvements



Principal

DEPARTMENT OF GEOGRAPHY**GOVT. COLLEGE FOR WOMEN, GANDHI NAGAR, JAMMU****COURSE OUTCOMES**

Course Outcome Number	Course Outcome
Course Title Course Code Semester 1 st	Exploring Geography 1 1GEOMJT0101
CO 1	Students will get acquainted with the basic concepts of Geography.
CO 2	Students will learn about the form of Earth, its movements and location of places.
CO 3	This course will also help students to understand the dynamic nature of the Earth.
Course Title Course Code Semester 1 st	Exploring Geography 1 1GEOMNT0101
CO 1	Students will get acquainted with the basic concepts of Geography.
CO 2	Students will learn about the form of Earth, its movements and location of places.
CO 3	This course will also help students to understand the dynamic nature of the Earth.
Course Title Course Code Semester 1 st	General Cartography 1GEOSECP0101
CO 1	Students will acquire knowledge about the basic aspects of Cartography.
CO 2	Students will learn the art of making maps of various types.
CO 3	They will get acquainted with geographic coordinates and various methods of relief representation.
Course Title Course Code Semester 1 st	Fundamentals of Geography 1GEOMULDCT01
CO 1	Students will acquire knowledge about the fundamental concepts in Geography.
CO 2	They will come to know about the origin, structure and composition of the Earth.
CO 3	They will learn about the major sub fields of Physical Geography.
Course Title	Exploring Geography - II

Course Code Semester 2nd	1GEOMJT0201
CO 1	Students will get familiar with the basic concepts of Physical Geography in general and Atmosphere and Oceanography in particular.
CO 2	Students will develop thorough understanding of atmospheric circulation.
CO 3	They will understand the major component of Earth – Hydrosphere, its circulations , temperature etc.
Course Title Course Code Semester 2nd	Exploring Geography - II 1GEOMNT0201
CO 1	Students will get familiar with the basic concepts of Physical Geography in general and Atmosphere and Oceanography in particular.
CO 2	Students will develop thorough understanding of atmospheric circulation.
CO 3	They will understand the major component of Earth – Hydrosphere, its circulations , temperature etc.
Course Title Course Code Semester 2nd	Advance Cartography 1GEOSECP0201
CO 1	Students will acquire knowledge about various symbols representing Geographic information.
CO 2	They will get acquainted with different methods of map making.
CO 3	They will learn about the introduction of GIS IN Geography.
Course Title Course Code Semester 2nd	Fundamentals of Geography 1GEOMULDCT01
CO 1	Students will acquire knowledge about the fundamental concepts in Geography.
CO 2	They will come to know about the origin, structure and composition of the Earth.
CO 3	They will learn about the major sub fields of Physical Geography.
Course Title Course Code Semester 3 rd	General Cartography 1GEOTC0301
CO 1	Students will understand about various tools and techniques used in making maps.
CO 2	Students will learn the technique of map reading through various map symbols.
CO 3	They will also understand the different methods used to represent the varied geographic phenomena.
Course Title	General Cartography

Course Code Semester 3rd	1GEOPC0301
CO 1	Students will acquire knowledge about the basic aspects of Cartography.
CO 2	Students will learn the art of making maps of various types.
CO 3	They will get acquainted with geographic coordinates and various methods of relief representation.
Course Title Course Code Semester 3rd	Quantitative Techniques in Geography 1GEOSE0301
CO 1	Students will understand the significance and use of statistical methods in geography.
CO 2	They will learn to calculate the measures of central tendency like mean, median, mode etc.
CO 3	Students will come to know how to calculate the relationship between various geographic phenomena.
Course Title Course Code Semester 4th	Environmental Geography 1GEOTC0401
CO 1	Students will understand the perspective of geographer to study the environment.
CO 2	They will develop an ability to see meaningful relationships between people, places and the environment.
CO 3	Students will be able to analyze human-environment interactions in varied geographic regions on the Earth.
Course Title Course Code Semester 4 th	Surveying 1GEOPC0401
CO 1	Students will get familiar with the types of surveying instruments.
CO 2	Students will be able to measure a part of the earth and then prepare a map of it.
CO 3	They will get acquainted with finding of major directions and locate them on the map.
Course Title Course Code Semester 4th	Demographic Attributes of Population 1GEOSE0402
CO 1	Students will get thorough understanding of Demographic phenomena and their measurement.
CO 2	They will come to know the World's population scenario and its qualitative and quantitative aspects.
CO 3	Students will learn the Population Projection Techniques.

Course Title Course Code Semester 5th	Regional Geography of India 1GEODE0502
CO 1	Identifying and explaining the Indian Geographical Environment.
CO 2	Awareness about physical and cultural richness of the nation.
CO 3	Evaluating the impacts of human activities on various resources.
Course Title Course Code Semester 5th	Map Projections 1GEODP0502
CO 1	Students will acquire knowledge about the use of map projection in drawing map.
CO 2	Able to construct the latitudes and longitudes through various techniques.
CO 3	Students will get acquainted with the particular use of each type of map projection.
Course Title Course Code Semester 5th	Regional Planning and Development 1GEOSE0502
CO 1	Identification of different types of regions and their characteristics.
CO 2	Students will understand the regional disparities at national and state levels.
CO 3	They will come to know what types of policies are being implemented to lessen these disparities.
Course Title Course Code Semester 5th	Physical Geography 0GEOGENE01
CO 1	Students will get familiar with the basic concepts of Physical Geography in general and Atmosphere and Oceanography in particular.
CO 2	Students will develop thorough understanding of the unstable character of Earth.
CO 3	They will understand the major components of the Earth –Lithosphere, Hydrosphere and Atmosphere.
Course Title Course Code Semester 6th	Geomorphology 1GEODE0602
CO 1	Identification of local Geomorphic features.
CO 2	Understanding of dynamic nature of the Earth by studying earthquakes, volcanoes, weathering etc.
CO 3	Students will be able to evaluate the Geological history of the Earth.
Course Title	Statistical Techniques in Geography

Course Code Semester 6th	1GEODP0602
CO 1	Students will understand the significance and use of statistical methods in geography.
CO 2	They will learn to calculate the measures of central tendency like mean, median, mode etc.
CO 3	Students will come to know how to calculate the relationship between various geographic phenomena.
Course Title Course Code Semester 6th	Field Techniques and Survey based Project Report 1GEOSE0602
CO 1	Identification of local problem and doing research on that problem.
CO 2	Understanding of the significance of field work in geographical studies.
CO 3	Development of the habit of self learning and evaluation.
Course Title Course Code Semester 6th	Human Geography 0GEOGENE02
CO 1	Students will be able to differentiate between physical geography and human geography.
CO 2	Understanding of population dynamics and migration.
CO 3	Students will understand the types and levels of economic activities.

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Principal

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GOVT. COLLEGE FOR WOMEN, GANDHI NAGAR, JAMMU

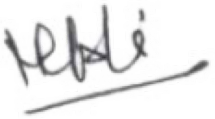
COURSE OUTCOMES

Course Outcome Number	Course Outcome
Course Title Course Code Semester 1 st / 2 nd	काव्य, व्याकरण तथा रचना 1HINTCCC01
CO 1	विद्यार्थी हिंदी के प्रमुख कवियों तथा उनके काव्य के बारे में जानकारी दे सकेंगे
CO 2	विद्यार्थी हिंदी व्याकरण तथा रचना के ज्ञान से पारंगत हो जाएंगे।
Course Title Course Code Semester 1 st	हिंदी साहित्य का इतिहास 1HILTC0101
CO 1	विद्यार्थी हिंदी साहित्य के चारों कालों की चर्चा कर सकेंगे।
CO 2	विद्यार्थियों को हिंदी साहित्य की प्रमुख प्रवृत्तियों का भी ज्ञान हो जाएगा।
Course Title Course Code Semester 1 st / 2 nd	हिंदी व्याकरण एवं संप्रेषण 1HINA ECC01
CO 1	प्रस्तुत पाठ्यक्रम विद्यार्थियों के संप्रेषण कौशल को विकसित करने में सहायक होगा।
CO 2	विद्यार्थी व्याकरण के मूल सिद्धांत को समझते हुए भाषाई कौशल का भी विकास कर सकेंगे।
Course Title Course Code Semester 2 nd	मध्यकालीन कविता 1HILTC0201
CO 1	विद्यार्थी हिंदी की मध्यकालीन कविता के भाव पक्ष को विश्लेषित कर सकेंगे।

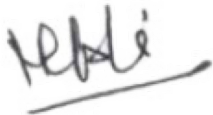
CO 2	विद्यार्थी काव्य सौंदर्य एवं शिल्प की प्रवृत्तियों को रेखांकित कर सकेंगे ।
Course Title Course Code Semester 3rd	कथा साहित्य, व्याकरण तथा रचना 1HINTCCC02
CO 1	प्रस्तुत पाठ्यक्रम हिंदी के प्रमुख गद्यकारों तथा उनके साहित्य से अवगत कराने में सक्षम होगा।
CO 2	विद्यार्थी हिंदी की कालजयी कहानियों का अध्ययन करते हुए कहानी के तत्वों से भी परिचित हो सकेंगे।
Course Title Course Code Semester 3rd	आधुनिक हिंदी कविता 1HILTC0301
CO 1	निर्धारित कवियों के वैचारिक धरातल से विद्यार्थी परिचित हो सकेंगे।
CO 2	रचनाकारों की कविताओं के काव्य सौष्ठव एवं शिल्प के बारे में विद्यार्थियों की समझ बढ़ेगी ।
Course Title Course Code Semester 3rd	कार्यालयी हिंदी 1HILSE0301
CO 1	प्रस्तुत पाठ्यक्रम के माध्यम से विद्यार्थी कार्यालयी हिन्दी के विविध रूपों की व्याख्या कर सकेंगे ।
CO 2	विद्यार्थियों को हिंदी भाषा की प्रशासनिक एवं तकनीकी शब्दावली का भी बोध होगा ।
Course Title Course Code Semester 4th	कथा साहित्य व्याकरण तथा रचना 1HINTCCC02
CO 1	प्रस्तुत पाठ्यक्रम हिंदी के प्रमुख गद्यकारों के जीवन वृत्त एवं साहित्य से विद्यार्थियों को अवगत कराने में सक्षम होगा।

CO 2	विद्यार्थी हिंदी की कालजयी कहानियों का अध्ययन करते हुए कहानी के तत्वों से भी परिचित हो सकेंगे।
Course Title Course Code Semester 4th	हिंदी गद्य साहित्य 1HILTC0401
CO 1	गद्य साहित्य का अध्ययन करने से विद्यार्थियों में कथा साहित्य के प्रति रुचि बढ़ेगी।
CO 2	विद्यार्थी पाठ्यक्रम में निर्धारित उपन्यास 'त्यागपत्र' का समीक्षात्मक मूल्यांकन प्रस्तुत कर सकेंगे।
Course Title Course Code Semester 4th	भाषा शिक्षण 1HILSE0401
CO 1	प्रस्तुत पाठ्यक्रम का लक्ष्य है कि विद्यार्थी हिंदी भाषा के उद्भव और महत्व को समझ सकें।
CO 2	विद्यार्थियों में उच्चारण संबंधी समस्याओं का समाधान हो जाएगा।
Course Title Course Code Semester 5th	हिंदी की राष्ट्रीय काव्यधारा 1HILDE0502
CO 1	विद्यार्थी राष्ट्रीय काव्य धारा के प्रमुख कवियों से परिचित हो जाएंगे।
CO 2	विद्यार्थियों में राष्ट्रीय चेतना का विकास होगा।
Course Title Course Code Semester 5th	अनुवाद विज्ञान 1HILSE0501
CO 1	विद्यार्थी अनुवाद विज्ञान के विभिन्न रूपों के बारे में बता सकेंगे।
CO 2	विद्यार्थी वैज्ञानिक प्रशासनिक एवं तकनीकी शब्दावली से भी परिचित हो सकेंगे।
Course Title Course Code	सर्जनात्मक लेखन के विविध क्षेत्र 0HILGENE01

Semester 5 th	
CO 1	विद्यार्थी सर्जनात्मक लेखन के विविध रूपों की चर्चा कर सकेंगे।
CO 2	विद्यार्थी फीचर एवं स्तंभ लेखन से भी परिचित हो जाएंगे।
Course Title Course Code Semester 6 th	प्रयोजनपरक हिंदी 1HILDE0601
CO 1	विद्यार्थी प्रयोजनपरक हिंदी के व्यावहारिक ज्ञान एवं सिद्धांतों को बता सकेंगे
CO 2	विद्यार्थी संचार माध्यमों तथा पारिभाषिक शब्दावली की जानकारी दे सकेंगे।
Course Title Course Code Semester 6 th	संभाषण कला 1HILSE0602
CO 1	विद्यार्थी संभाषण कला के विविध रूपों का विश्लेषण कर सकेंगे।
CO 2	विद्यार्थी समाचार कला के विभिन्न उपादानों का उल्लेख कर सकेंगे।
Course Title Course Code Semester 6 th	संपादन प्रक्रिया 0HILGENE02
CO 1	विद्यार्थी संपादन प्रक्रिया के मूल सिद्धांतों की विवेचना कर सकेंगे।
CO 2	विद्यार्थी राष्ट्रीय एवं प्रांतीय समाचार पत्रों की जानकारी पा सकेंगे।



Principal



Principal

Department of HistoryGovt. College for Women, Gandhi Nagar, JammuCourse Outcomes

Course Outcome Number	Course Outcome
Course Title Course Code Sem 1st	An introduction to Ancient India : From Pre-History to Vedic Era . 1HISMJT0101
CO 1	The students will learn about Pre-history, proto history and sources of ancient Indian history.
CO2	The students will get an idea of ancient sites and human landscapes in a much meaningful manner.
CO3	The students will learn about the changes in political, social, economic and cultural sceneries.
CO5	The students will learn about the major events, themes, and ideas that defined the ancient India.
CO6	The students will further study and explore the fascinating and complex period in Indian history.
Course Title Course Code Sem 1st	An introduction to Ancient India : From Pre-History to Vedic Era 1HISMNT0101
CO 1	The students will learn about Pre-history, proto history and sources of ancient Indian history.
CO2	The students will get an idea of ancient sites and human landscapes in a much meaningful manner.
CO3	The students will learn about the changes in political, social, economic and cultural sceneries.
CO4	The students will learn about the major events, themes, and ideas that defined the ancient India.
CO5	The students will further study and explore the fascinating and complex period in Indian history.
CO6	
Course Title Course Code Sem 1st	History of Modern India from 1857 A.D. to 1947 A.D. 1HISMULDC01

CO1	The students will get knowledge on decline of Mughal rule, and emergence of religion powers
CO2	The students will get knowledge on penetration, expansion, consolidation of British rule in India.
CO3	The students will get knowledge on Indian awakening, cultural change in socio-religion reform movements.
CO5	The students will get knowledge on the significant economic and social changes during this period.
CO6	The students will get knowledge on communal politics, partition of India. Major movements for independence of India.
Course Title Course Code Sem 1st	History and Tourism -I 1HISSEC0101
CO1	The students will learn about the importance of heritage tourism and its role in preserving cultural of historical sites.
CO2	The students will be able to identify the historical, cultural and social factors that have satisfied tourism as a phenomenon.
CO3	The students will be able to analyze the impact of tourism and local communities and economics
CO4	The students will be able to demonstrate effective communication skills, including the ability to write clearly and persuasively about historical and tourism topics.
CO5	The students will get knowledge regarding styles of art, temple structure of different periods and regions.
Course Title Course Code Sem 2nd	History of Ancient India (from 600BC-300AD) 1HISMJT0201
CO1	The students will have the knowledge of the political, social, economic and religions conditions of ancient India during the period 600BC-300AD
CO2	The students will have the knowledge of the rise and fall of different empires and dynasties that rules ancient India during the period including the Mauryas, etc
CO3	The students will be able to critically analyze primary sources, such as inscriptions coins, and to gain insights in to ancient Indian history.
CO4	The students will become familiar with the religion and cultural practices of ancient India, including the development of Hinduism, Buddhism and Jainism.

CO5	The students will understand the political dynastic histories in a better way. This knowledge will enable the students to have critical understanding of the ancient politics
Course Title Course Code Sem 3rd	The history of India from 1206CE to 1700CE 1HISTC0301
CO 1	The students will have the knowledge of the political, socio-cultural structures of Medieval India including Delhi Sultanate, the Mughal empire, and the regional kingdoms.
CO2	The students will have the knowledge of cultural and religious development of Medieval India. The students will become familiar with the cultural and religious development of the medieval India, including growth of Hinduism, Islam and the synthesis of different cultural traditions.
CO3	The students will be able to critically analyze historian sources such as chronicles, biographies and court records to gain insight with medieval Indian history.
CO4	The students will have the knowledge of economic and trade system of medieval India, including the development of agricultural and manufacturing industries and the growth of trade networks
CO5	The students will have the knowledge of downfall of Delhi sultanate and Mughal empire era.
Course Title Course Code Sem 3rd	History of tourism 1HISSE0301
CO1	The students will have the knowledge of historical event and their impact on the development of tourism. Students shall have an understanding of significant historical events and how they have influenced the development of tourism over time.
Course Title Course Code Sem 4th	History of tourism 1HISSE0401
CO1	The students will learn the importance of heritage tourism and its role in preserving cultural of historical sites The students shall learn about the styles of art, temple structure of different periods and regions.
CO2	The students will be able to identify the historical, cultural and social factors that have satisfied tourism as a phenomenon.
CO3	The students will be able analyze the impact of tourism and local communities and economics
CO4	The students will be able to demonstrate effective communication skills, including the ability to write clearly and persuasively about historical and tourism topics.

Course Title: Course Code: Sem 4th	History of India From 1707CE to 1950CE 1HISTC0401
CO1	The students will have the knowledge of decline of Mughal rule, and emergence of religion powers.
CO2	The students will have the knowledge of penetration, expansion, consolidation of British rule in India.
CO3	The students will have the knowledge of Indian awakening, cultural change in socio-religion reform movements.
CO4	The students will have the knowledge of Rebellion of 1857 and end of east India company's rule in British crown assumed direct control over India and established British raj.
CO5	The students will learn about the significant economic and social changes during this period.
CO6	The students will learn about the communal politics, partition of India and major movements for independence of India.
Course Title: Course Code: Sem 4th	An Introduction to Archaeology 1HISSE0401
CO1	The students will learn about the the development of the discipline of archaeology in India.
CO2	The students will learn the basic principles and methods used in archaeology such as excavation, analysis and interpretation of archaeological evidences and gain knowledge of the major historical periods and cultures such as pre historic societies, ancient civilizations and classical cultures.
CO3	The students will learn about the basic theories and thoughts used in archaeological interpretations. The students will get familiarize to theoretical basis of field methods.
Course Title Course Code: Sem 5th	History of Jammu and Kashmir from ancient to modern times. 1HISDE0501
CO1	The students will learn about the rich historical heritage of Jammu and Kashmir the northern most region of India.
CO2	The students will learn about the socio-economic, political and administrative and cultural history of Jammu and Kashmir from ancient to modern India.

CO3	The students will learn about the developments that place in Kashmir which ultimately led to the foundation of sultanate in Kashmir.
CO5	The students will learn about the role of Maharaja Gulab Singh in the formation of Jammu and Kashmir State.
CO6	The students will learn about the role played by the Dogra Rajas in the introduction of administrative and social reform in the state.
Course Title: Course Code: Sem 5th	The History of India from earliest time up to 300CE 0HISGENE11
CO1	The students will get the knowledge about Pre-history, proto history and sources of ancient Indian history.
CO2	The students will get idea of ancient sites and human landscapes in a much meaningful manner.
CO3	The students will get the knowledge about the changes in political, social, economic and cultural sceneries, background of our religion , customs, institutions, administrations and so on.
CO4	The students will learn about the major events, themes, and ideas that defined the ancient India.
CO5	The students will learn about the political, social, economic and religions conditions of ancient India during the period 600BC-300AD
CO5	The students will learn about the rise and fall of different empires and dynasties that rules ancient India during the period including the Maurayas, etc
Course Title: Course Code: Sem 5th	Achieves and Museums 1HISSE0601
CO1	The students will be able to examine these two repositories of history from close quarters
CO2	The students will be able to contextualize how the heritage is preserved and kept alive how and the difficulties faced in the process.
CO3	The students will be able to demonstrate the way in which museums and archives are organized and managed.
CO4	The students will learn the theoretical foundations of museums and archives. Relation between museum and society, archives and society.

CO5	The students will learn about the diversity of achieves and museum collection including their scope, limitations and ethical consideration.
Course Title: Course Code: Sem 6th	European history 1780-1945 1HISDE0601
CO1	Main incident, their nature, new ideology and institution which have made their impact in the contemporary words i.e. students will learn about French revolution and its impact on European countries.
CO2	Students will learn how industrialization has occurred and its effects on socio-economic and political transformation of Europe.
CO3	Students will learn how world was divided after First World War among the superpowers of the world.
CO4	Students will learn how the aggressive foreign policy of Italy and Germany influenced the Europe in world countries and compelled them to formed allied power of the world.
Course Title: Course Code: Sem 6th	The History of India from 1707CE to 1950CE 0HISGENE14
CO1	Students will learn about the decline of Mughal rule, and emergence of religion powers Penetration, expansion, consolidation of British rule in India.
CO2	Students will learn about the Indian awakening, cultural change in socio-religion reform movements.
CO3	Students will learn about the Rebellion of 1857 and end of east India company's rule in British crown assumed direct control over India and established British raj.
CO4	Students will learn about the significant economics and social changes during this period.
CO5	Students will learn about the communal politics, partition of India, Major movements for independence of India.
Course Title: Course Code: Sem 6th	Popular Culture 1HISSE0601
CO1	Students will learn about the popular cultures expressed in different medium like oral and cultural
CO2	The students will understand such phenomenon historically with special reference to Jammu and Kashmir.
CO3	The students will understand how our beliefs , values and decisions are shaped by popular culture.

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Principal

Department of Home Science
Govt. College for Women, Gandhi Nagar, Jammu

Course Outcomes

B.Sc. Home Science

Course Outcome Number	Course Outcome
Course Title Course Code Sem 1st	Communication and Extension 1HSCTC0101
CO 1	The students will understand the concept of Communication
CO2	The students will identify the relationship and use of communication in Extension work.
CO3	The students will develop the skill in Planning Extension Programme.
Course Title: Course Code: Sem 1st	Resource Management and Design Fundamentals. 1HSCTC0102
CO1	The students will learn the fundamentals of resource managements in a changing scenario.
CO2	The students will learn Skills in identifying, creating, selecting and using available resources judiciously w emphasis on maximizing and conservation
CO3	The students will learn Scientific application of the process of management in the judicious use of resourc
CO3	Students will have knowledge with respect to interior decoration.
Course Title: Course Code: Sem 1st	Fashion Studies 1HSCT0103
CO1	The students will know the terminology related to clothing and fashion.
CO2	The students will develop skills in garment components.
CO3	The students will acquaint students with basic principles and elements of design.

Course Title: Course Code: Sem 2nd	Fundamentals of Nutrition and Food Sc. 1HSCTC0201
CO1	Students will learn the concept of nutrition, various nutrients, their requirements, functions and deficiencies.
CO2	Students will understand the vital relationship between nutrition and health.
CO3	The students will know the basic structure and composition of different foods.
CO4	The students will know the functions performed by various foods. Different methods of cooking foods and ways to minimize nutrient losses
Course Title: Course Code: Sem 2nd	Life Span Development 1 1HSCT0202
CO1	The students will Understanding about historical and theoretical perspective in human development.
CO2	The students will Understanding of the vocational specializations related to Human Development
CO3	The students will Understanding about the various Developmental Issues.
Course Title: Course Code: Sem 2nd	FUNDEMENTALS OF TEXTILES 1HSCT0203
CO1	The students will learn the concept of Textile Science in a changing scenario and the terminologies related to Textile Science.
CO2	Students will get knowledge of fibre, yarn and fabric properties and the measurements.
CO3	The students will know the concepts of dyeing, printing and finishing. iv. learn testing of textile fibres, yarns and fabric.
Course Title Course Code: Sem 3rd	Life Span Development II 1HSCT0302
CO1	The students will get Understanding of Human Development: Concepts, Scope and Historical Perspective
CO2	The students will know Introduction to the dimension of Development over the life span.
CO3	The students will Get acquainted with the concept, goals and areas of adjustment in marital relationships with family.

Course Title: Course Code: Sem 3rd	Nutrition for Family 1HSCTC0303
CO1	The students will know the concept of food groups and meal planning.
CO2	The students will understand Dietary Guidelines and dietary reference intakes.
CO3	The students will know the nutritional needs at different stages of growth.
CO4	The students will know How various food influence the dietary practices of individuals in different age groups.
CO 5	Nutrition for the elderly.
Course Title: Course Code: Sem 3rd	Socio economic and environment 1HSCTC0304
CO1	The students will know the socio economic structures and systems that makeup the rural and urban communities.
CO2	Students will learn emergence of new ideological orientations.
CO3	The students will understand Over view of economic systems
CO4	The students will know the patterns of consumption, production and distribution
CO5	The students will have Knowledge about Indian economic environment and its changing situations.
Course Title: Course Code: Sem 3rd	Image Styling And Fashion Illustration 1HSCSP0301
CO1	Students will understand Physical traits and personality
CO2	Students will Identify clothing needs and wardrobe planning
CO3	Introduction to fashion illustration
CO4	The students will understand Rendering fabric textures
CO5	The students will understand Garment types and its features in appropriate textures and styles

Course Title Course Code: Sem 3rd	Nutrition health Communication 1HSCSP0303
CO1	Students will know the importance of Nutrition and Health Education
CO2	Students will know the Existing nutrition Health Programmes in India.
CO3	The Technique of communication in bringing behavioural change among people which can be implemented on ground.
Course Title Course Code: Sem 4th	Nutrition and Fitness 1HSCSP0402/1HSESP0402
CO1	The students will Understand the importance of fitness and health
CO2	Students will get the knowledge of weight management and importance of physical activity. In creating awareness regarding physical fitness and lifestyle management.
CO3	The students will Understand the role of yoga and different techniques in maintaining fitness.
CO4	The students will know planning and preparation of maintenance diets and weight reducing diets.
Course Title Course Code: Sem 4th	NGO Management 1HSCSP0501/1HSESP0501
CO1	The students will Understanding basic concepts and principles involved in managing NGO's
CO2	Enhancing skills and techniques of starting a NGO.
CO3	Enhancing knowledge on proposal writing in NGO's.
CO4	The students will Understanding NGO management and problems of NGO.
Course Title Course Code: Sem 4th	Personal finance and consumer studies 1HSCTC0402
CO1	Students will be able to understand The changing socio-economic environment and consumer behaviour

CO2	The financial management practices of the students for wise consumption.
CO3	The types of markets, changing concepts of markets, changes in environment, and marketing strategies from consumer's perspective
CO4	An overview of the consumer problems, consumer movement and protection.
Course Title Course Code: Sem 4th	Research methodology in Home Science 1HSCT0404
CO1	This paper shall enable the students to understand Significance of statistics and research methodology in Home Science Research.
CO2	Application of appropriate statistical technique for research design
Course Title Course Code: Sem 4th	Communication Systems and Social change 1HSCTC0403
CO1	After learning this course students will be able to understand Foundation of Art and Design.
CO2	Principles of selection and care of Furniture & Furnishings
CO3	Principles of art and design.
CO4	Colour as an element of design.
CO5	Students will gain knowledge with respect to interior decoration.
Course Title Course Code: Sem 5th	Foundation of art and design 1HSCDE0505
CO1	After learning this course students will be able to understand Foundation of Art and Design.
CO2	Principles of selection and care of Furniture & Furnishings
CO3	Principles of art and design.

CO4	Colour as an element of design.
CO5	Students will gain knowledge with respect to interior decoration.
Course Title Course Code: Sem 5th	COMMERCIAL CLOTHING AND MARKETING 1HSCDE0504
CO1	After learning this course students will be able to understand The concept of Commercial Clothing
CO2	The roles and responsibilities in selection of fabric and accessories.
CO3	The importance of fashion marketing and merchandising and fashion retailing
Course Title Course Code: Sem 5th	CHILD RIGHTS AND GENDER JUSTICE 1HSCDP0502
CO1	The students will be able to understand Visits to organizations working in the area of Child Rights and Gender to understand their objectives, programmes and experiences.
CO2	Workshops on Issues like Gender, domestic violence, gendering of public spaces.
CO3	Understanding child rights and gender issues in diverse social groups through field visits and interactions.
CO4	Interactions with children in difficult circumstances.
Course Title Course Code: Sem 5th	CHILD RIGHTS AND GENDER JUSTICE 1HSCDE0502
CO1	The students will be able to understand to Get sensitized to the needs of vulnerable groups
CO2	Create awareness about child rights, various policies and programmes for children in India.
CO3	Get acquainted students with gender issue

Course Title Course Code: Sem 6th	Building materials and Housing IHSCDE0605
CO1	After learning this course students will be able to understand The selection of housing and space designing.
CO2	Knowledge about house planning.
CO3	Structural components of a house.
CO3	The current trends in building materials
Course Title Course Code: Sem 6th	Extension management 1HSCDE0603
CO1	The course will enable students to learn the role of extension in development
CO2	The preparation of development material for effective communication.
CO3	The contemporary National Development Programme.
Course Title Course Code: Sem 6th	TEXTILE DESIGN IHSCSP0602
CO1	After learning this course students will be able to understand The concept of drawing tools, forms and design development
CO2	Knowledge about color, design and principles of design and their use in textiles
CO3	Knowledge about lines and its characteristics.
CO4	Different methods of color application on fabric for textile design
CO5	Different methods of surface decoration on fabric.
Course Title Course Code: Sem 6th	CARE AND WELL-BEING IN HUMAN DEVELOPMENT IHSCDE0602

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CO1	The course will enable students to learn the concept of relevance of care and well-being of Human development.
CO2	Study about various policies, services and programs available for care and well being

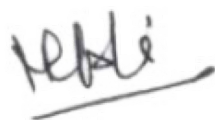
BA Home Science

Course Title : Clothing and Textiles	
Course Code: IHSETC0101	
SEM Ist	
CO1	After learning this course students will be able to understand: The textile fibers, fabrics and their uses
CO2	The basic Skill of selection of apparel
CO3	The usage of textiles in apparel construction
CO4	The concept of laundry technology
Course Title : Human Development	
Course Code: 1HSETC0201	
SEM 2nd	
CO1	The students will be able to understand Develop awareness of important aspects of development during life span of an individual.
CO2	Get acquainted with development stages from birth to old age.
CO3	Understand the role of women as partners in development
Course Title : 1HSETC0301	
Course Code : Foods and Nutrition	
SEM 3rd	
CO1	This paper shall enable the students in Understanding the concept of food, nutrition and different food groups. Understanding basic cooking methods and their effect on foods.
CO2	Understanding the. structure and composition of different foods.
CO3	Creating awareness about meal planning and nutritional requirements.
CO4	Creating awareness about food adulteration and food laws.

CO5	Understanding importance and deficiencies of macro and micro nutrients.
Course Title : Image Styling And Fashion Illustration Course Code: 1HSESP0301 SEM 3rd	
CO1	Students will understand Physical traits and personality
CO2	Students will Identify clothing needs and wardrobe planning
CO3	Introduction to fashion illustration
CO4	The students will understand Rendering fabric textures
CO5	The students will understand Garment types and its features in appropriate textures and styles
Course Title : Nutrition health Communication Course Code: 1HSESP0303 SEM 3rd	
CO1	Students will know the importance of Nutrition and Health Education
CO2	Students will know The Existing nutrition Health Programmes in India.
CO3	The Technique of communication in bringing behavioural change among people which can be implemented on ground.
Course Title: Community resource management and Extension Course code : 1HSETC0401 SEM 3rd	
CO1	After learning this course students will be able to understand: The fundamentals of resource management in a changing scenario.
CO2	Skills in identifying, creating, selecting and using available resources judiciously emphasis on maximization and conservation.
CO3	Knowledge with respect to interior decoration.
CO4	The concept of communication and extension and it's relevance for national development

CO5	Elements of communication and their characteristics
Course Title : Nutrition and Fitness Course Code: 1HSESP0402 SEM 4th	
CO1	The students will Understand the importance of fitness and health
CO2	Students will get the knowledge of weight management and importance of physical activity. In creating awareness regarding physical fitness and lifestyle management.
CO3	The students will Understand the role of yoga and different techniques in maintaining fitness.
CO4	The students will know planning and preparation of maintenance diets and weight reducing diets.
Course Title : Foundation of art and design Course Code: 1HSEDE0505 SEM 5th	
CO1	After learning this course students will be able to understand Foundation of Art and Design.
CO2	Principles of selection and care of Furniture & Furnishings
CO3	Principles of art and design.
CO4	Colour as an element of design.
CO5	Students will gain knowledge with respect to interior decoration.
Course Title : NGO Management Course Code: 1HSESP0501 SEM 4th	
CO1	The students will Understanding basic concepts and principles involved in managing NGO's
CO2	Enhancing skills and techniques of starting a NGO.
CO3	Enhancing knowledge on proposal writing in NGO's.
CO4	The students will Understanding NGO management and problems of NGO.

Course Title : Building materials and Housing	
Course Code: IHSEDE0605	
SEM 6th	
CO1	After learning this course students will be able to understand The selection of housing and space designing.
CO2	Knowledge about house planning.
CO3	Structural components of a house.
CO4	The current trends in building materials
Course Title : . TEXTILE DESIGN	
Course Code: IHSCSP0602	
SEM 6th	
CO1	After learning this course students will be able to understand <ul style="list-style-type: none"> • The concept of drawing tools, forms and design development
CO2	<ul style="list-style-type: none"> • Knowledge about color, design and principles of design and their use in textiles
CO3	<ul style="list-style-type: none"> • Knowledge about lines and its characteristics.
CO4	<ul style="list-style-type: none"> • Different methods of color application on fabric for textile design
CO5	<ul style="list-style-type: none"> • Different methods of surface decoration on fabric.



Principal

Department of Mathematics
Govt. College for Women, Gandhi Nagar, Jammu

Course Outcomes

Course Outcome Number	Course Outcome
Course Title Course Code Sem 1st	DIFFERENTIAL CALCULUS 1MATTC0101
CO 1	After completion of the course The students will learn the concept of Limit and Continuity (ϵ and δ) definition and differentiability of functions, use of Leibnitz's Theorem.
CO2	The students will have the knowledge of Indeterminate forms, Partial differentiation, Euler's Theorem on homogenous functions.
CO3	The students will learn the Tangents and Normals, Curvature, Asymptotes, Double points, Tracing of Curves.
CO4	The students will learn the concept of Polar coordinates and tracing of curves.
CO5	The students will learn the concept of Maxima and Minima, Rolle's Theorem, Mean Value Theorems.
Course Title: Course Code: Sem 2nd	DIFFERENTIAL EQUATIONS 1MATTC0201
CO1	The students will learn have the knowledge of exact differential equations, higher degree equations, Clairaut's equation.
CO2	The students will learn the solving of linear homogenous equations with constant coefficients of second and third order
CO3	The students will learn the concept of Wronskian , reduction of order, method of variation of parameters, Cauchy- Euler equation.
CO4	The students will learn the concept and Formation of partial differential equations, Lagrange's method, Charpit's method
CO5	The students will learn the about solving Homogenous and non- homogenous partial differential equations .

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Principal

Course Title: Course Code: Sem 3rd	REAL ANALYSIS 1MATTC0301
CO1	The students will learn the properties of \mathbb{R} . cluster points and statement of Bolzano-Weierstrass theorem.
CO2	The students will learn the concept of Real sequence, Boundedness Cauchy's theorem on limits , convergence .
CO3	The students will learn the concept of Cauchy convergence criterion for series Tests of convergence, absolute and conditional convergence.
CO4	The students will learn about the sequences and series of functions, point wise and uniform convergence. M_n - test, M-test.
CO5	The students will learn the uniform convergence and integrability and differentiability of functions, Power series and radius of convergence.
Course Title: Course Code: Sem 3rd	LOGIC AND SETS 1MATSE0301
CO1	The students will learn about the Propositions, truth table & types of propositions
CO2	The students will learn about the standard set operations & set identities.
CO3	The students will learn the concept of partially ordered sets, totally ordered sets, the axiom of choice and some of its equivalent forms.
CO4	The students will learn the concept of Hausdorff Maximality principle Zorn's lemma , well ordering principle,
CO5	The students will learn the ordering of cardinal numbers- The Schroder –Bernstein Theorem, Cantor's theorem, the continuum hypothesis and its generalization.
Course Title: Course Code: Sem 4th	ALGEBRA 1MATTC0401
CO1	The students will learn the concept of Groups and various examples of abelian and non-abelian groups.
CO2	The students will learn the concept of a subgroup generated by a subset and the commutator subgroup.
CO3	The students will learn about Lagrange's theorem, Normal subgroups, Quotient groups.

CO4	The students will learn about the definition and examples of rings commutative and non commutative rings.
CO5	The students will learn the about the Integral domains and fields, examples of fields: Z_p , Q , R and C .
Course Title: Course Code: Sem 4th	VECTOR CALCULUS 1MATSE0401
CO1	The students will learn about the Vector and scalar. Dot and cross product of vectors, multiple products of vectors.
CO2	The students will learn about the limit and continuity of vector function and their algebraic properties. Differentiation of vector function,
CO3	The students will learn about the Vector differential operator, Gradient of a scalar point function and of constant. Directional derivatives.
CO4	The students will learn about the Divergence and curl of a vector point function, vector differential identities
CO5	The students will learn about the Tangent line integration, Line integral and surface integral.
Course Title Course Code: Sem 5th	LINEAR ALGEBRA 1MATDE0502
CO1	The students will learn about the Vector spaces, subspaces, quotient spaces, linear span, linear independence.
CO2	The students will learn about the Existence theorem, Extension theorem
CO3	The students will learn about the Rank and nullity of a linear transformation, matrix representation of a linear transformation.
CO4	The students will learn about the Dual space, Eigen values and Eigen vectors, Characteristic polynomial.
CO5	The students will learn about the Isomorphism theorems, invertibility and isomorphism
Course Title: Course Code: Sem 5th	PROBABILITY AND STATISTICS 1MATSE0501
CO1	The students will learn about the Baye's theorem and its applications.
CO2	The students will learn about the Concept of probability mass/density functions, mathematical expectations.
CO3	The students will learn about the moments and moment generating functions

CO4	The students will learn about the Mean, variance, moments and M.G.F. Recurrence Relation of Binomial & Poisson distribution.
CO 5	The students will learn about the normal distribution, its mean, variance, moments and M.G.F. Recurrence Relation.
Course Title: Course Code: Sem 6th	COMPLEX ANALYSIS 1MATDE0602
CO1	The students will learn about the functions of complex variable, Cauchy- Riemann equations
CO2	The students will learn about the exponential function, Logarithmic function, trigonometric function.
CO3	The students will learn about the contour integrals Cauchy-Goursat Theorem, Cauchy integral formula.
CO4	The students will learn about the Lowville's Theorem and the fundamental Theorem of Algebra, Taylor series.
CO5	The students will learn about the Laurent series, absolute and uniform convergence of power series.
Course Title: Course Code: Sem 6th	BOOLEAN ALGEBRA 1MATSE0602
CO1	The students will learn about the basic properties of ordered sets, maps between ordered sets, duality principle.
CO2	The students will learn about the lattices as ordered sets, complete lattices, lattices as algebraic structures, sub lattices.
CO3	The students will learn about the definition, examples and properties of modular and distributive lattices.
CO4	The students will learn about the Boolean polynomials, minimal forms of Boolean polynomials.
CO 5	The students will learn about the Quinn-McCluskey method, Karnaugh diagrams, switching circuits and its applications.
Course Title Course Code:	LOGIC AND SET THEORY (GENERIC ELECTIVE COURSE) 0MATGEN01

CO1	The students will learn about the Truth table, negation, conjunction and disjunction. Implications, biconditional propositions, converse, inverse and contra positive and inverse propositions
CO2	The students will learn about the Predicates and quantifiers, Binding variables and negations
CO3	The students will learn about the Laws of set theory and Venn diagrams. Finite sets and counting principle
CO4	The students will learn about the Power set of a set. Difference and symmetric difference of two sets. Set identities.
CO5	The students will learn about the Mathematical Induction, Principle of well ordering, The division algorithm, Fundamental theorem of arithmetic.

HEB

Principal

DEPARTMENT OF MUSIC**GOVT. COLLEGE FOR WOMEN, GANDHI NAGAR, JAMMU****COURSE OUTCOMES**

Course Outcome Number	Course Outcomes
Course Title Course Code Sem 1st	THEORY OF INDIAN MUSIC (General) AND BIOGRAPHIES OF MUSICIANS 1 MUSTCO101
CO1	This Course is designed to impart the basic knowledge of Sangeet ,Naad ,Shruti,Swar ,Saptak ,Thaat,Raag and Raag ki Jati .
CO2	Students will come to know about origin of Sangeet according to Hindu mythology and its importance.
CO3	Students will acquire knowledge regarding biographies and contributions of Eminent Musicians in the field of Indian Classical Music.
CO4	Students will have the knowledge of writing Swaras and Taals in Pt.V.N Bhatkhandey Paditi .
Course Title Course Code Sem 1st	Stage Performance and viva-voce 1MUSPCO101
CO1	This course is designed to make student familiar with Vikrit Swaras by practicing Alankar in Bilawal, Kalyan and Kafi thata.
CO2	Students (Vocal Music) will be able to sing Swarmalika and Students of instrumental music (Sitar) will be able to play Razakhani Gat in Raag Yaman, Kalyan and Kafi.
CO3	Students will acquire knowledge of playing Teen taal and Kehrwaa taal on hands by clapping hands, waving and counting on their fingers in single and double layakaries .
Course Title Course Code Sem 2nd	Theory of Indian music (General) and biographies of musicians. 1MUSTCO201
CO1	Objective of this course is to impart, basic knowledge about sitar, taanpura, tabla and harmonium.
CO2	Students will come to know about ancient and modern Raag Laskshan,Laya, Notation system,Time theory of Indian Music, Margi & Deshi Sangeet, Uttar Bhartiya and Dakshin Bhartiya Sangeet.

CO3	Students will acquire knowledge about biographies and contributions of eminent musicians in the field of Indian Classical Music.
CO4	Students will have the Knowledge of writing notations of Raag and Taal in Pandit V,N Bhatkandey Padhiti
CO5	Students will become familiar with the concept of making and completing of Alankaars.
Course Title Course Code Sem 2nd	Stage performance and viva-voce 1MUSPCO201
CO1	This course is designed to acquaint the students with swaras of Thaata Bhairav and Asawari by practicing Alankaars.
CO2	Students of vocal music will be able to sing Lakshangeet/Drut khayal and students of instrumental will be able to play Razakhani Gat in Raag Bhairav, Vrindavani Sarang and Raag Jounpuri .
CO3	Students will be able to learn and play Jhaptaal , Dadra Taal and Ektaal on hands in single and double Layakaries.
Course Title Course Code Sem 3rd	Applied theory and history of Indian Music. 1MUSTCO301
CO1	This course aims to make students aware of detailed study of Tarab ,Chikari ,Zamzama, Jawari, Jhala, Gitkari, Gamak,Taan and its kinds.
CO2	Students will gain knowledge of Music in Vedic and Ancient Period.
CO3	Students will have knowledge about classification of Musical Instruments.
CO4	Students will become aware of qualification and disqualification of musicians.
CO5	Students will be able to compare Ragas with their samprakritk Ragas and taals with taals of same number of Matras

Course Title Course Code Sem 3rd	Practical test and viva voce 1MUSPCO301
CO1	In this course students will be made familiar with swaras of Thaati, Bhairvi and Khamaj.
CO2	Students of vocal music will be able to sing Bada Khayal and Chhota Khayal and students of sitar will be able to play Maseetkhani Gat and Razakhani Gat in raag Bhupali, Malkauns and Khamaj.
CO3	Students will be able to recite Chaartaal and Tilwaada Taal with hand gestures in single and double Layakaries.
Course Title Course Code Sem 3rd	Value Based and Practical Oriented Course for Harmonium - 1 1MUSSPO301
CO1	Students will be able to learn basic technique of harmonium playing and get acquainted with all of its parts.
CO3	Students will be able to play alankars on harmonium.
CO2	Students will be able to play and sing National Song on harmonium.
Course Title Course Code Sem 4TH	Applied theory and history of Indian music 1MUSTCO401
CO1	Students will learn about the establishment of Swaras on 22 Shrutis and length of the string.
CO2	Students will come to know about the history of music during the medieval and modern period.
CO3	Students will become aware of status of music during post independence period
CO4	Students will acquire knowledge of Raag Bageshri, Raag Bhupali and Raag Puniya Dhanashri.

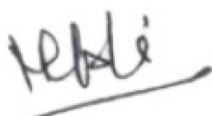
Course Title Course Code Sem 4TH	Practical Test and viva-voce 1MUSPCO401
CO1	Students of vocal music will be able to sing Bada Khayal and Chota Khayal with Alap and Taans and students of sitar will be able to play Maseetkhani gat and Razakhani Gat in rag Bageshri, Raag Bhupali and raag Puniya Dhanashri.
CO2	Students will be able to recite Rupak and Sultaal with hand gestures single and double Layakaries.
Course Title Course Code Sem 4TH	Value Based Practical Oriented Course for Harmonium – II
CO1	This course has been designed for students to make them able to play Alankaar in single, Dugun and Chogun layas in different taals on harmonium.
CO2	Students will be able to play one composition in Raag Bhairav or Malkauns.
CO3	Students will be able to play Lehra in teentaal.
Course Title Course Code Sem 5TH	Technical aspect of Music and study of raag and taals. 1MUSDE0501
CO1	The main objective of this course is to impart knowledge among students about different forms of Nibadha Gaan.
CO2	Students will acquire knowledge about, musical compositions of Karnatak Sangeet and their Comparative study with Hindustani music.
CO3	Students will also have the knowledge of Kathak, Bharatnatayam, Kuchipudi, Oddisi, & Kathakali dance forms.
CO4	Students will gain knowledge of folk songs, dance and instruments of Jammu region.
CO5	Students will get descriptive knowledge about Raag Todi, Bhairvi, and Darbari Kanhada and Taal Deep chandi and Dhamar Taal.

Course Title Course Code Sem 5TH	Practical Test and Viva Voce 1MUSDP0501
CO1	Students of vocal music will be able to sing Bada khayal and Chota Khayal raag Todi, Bhairavi and Darbari Kanhada. .
CO2	Students of Instrumental Music(Sitar) willbe able to play, Maseetkhani and Razakhani Gat in raag Todi, Bhairavi and Darbari Kanhada..
CO3	Students will acquire knowledge of Deepchandi and Dhamar Taal
CO4	Students of Vocal Music will learn to sing Dhrupad/Dhamar and students of Sitar will learn to play one Gat composed in any Taal other than Teen Taal.
Course Title Course Code Sem 5TH	Value Based and Practical oriented course for Sitar Playing – I 1MUSSP0501
CO1	Students will have detailed knowledge about basic structure, parts and formation of Sitar .
CO2	Students will be familiarized with the strings and frets of the Sitar.
CO3	Students will be able to play Alankars and Sargam in Shudh Swaras with variety of mizrab strokes.
Course Title Course Code Sem 6^H	Technical aspect of music and study of Raags and Taals 1MUSDE0601
CO1	Objective of this course is to make students aware of Gharanas of vocal music and sitar .
CO2	Students will a get preliminary knowledge of Western music.
C03	Students will get descriptive knowledge about voice culture.

CO4	Students will also have the knowledge of Raag Bhimplasi, Des, Jai Jawanti and Taal Jhumra and Ada Chautal.
Course Title Course Code Sem 6th	Practical Test 1MUSDP0601
CO1	Students of vocal music will be able to sing Bada khayal and Chota Khayal in Raag Bhimplasi, Des, Jai Jawanti
CO2	Students of Instrumental Music(Sitar) will be able to play, Maseetkhani and Razakhani Gat in Raag Bhimplasi, Des & Jaijaiwanti
CO3	Students will acquire knowledge of Taal Jhumra and Ada Chautal
CO4	Students will be able to sing/play devotional song.
Course Title Course Code Sem 6^H	Value Based Practical Oriented Course in Sitar- 2 1MUSSP0601
CO1	Students will acquire knowledge of tuning Sitar strings and changing the positions of the frets according to the Thaata.
CO2	Students will be able to play alankars in Thaata Bilawal, Kalyan and Kafi in Taals of 6, 7,8 and 16 beats.
CO3	Students will learn to play Jhalla and National Anthem.
	SEM -1 NEP
Course Title Course Code	Introductory knowledge of Indian Classical music. 1MUSMJT0101
CO1	Students will understand concept of Sangeet, Margi Sangeet & Desi Sangeet

CO2	Students will come to know about classification of Indian music.
CO3	Students will acquire knowledge of Musical Instruments i.e Taanpura,,Sitar & Tabla.
CO4	Students will come to know about basic knowledge about Saptak ,Thaat, Laya and Taal .
CO5	Students will be able to write Teen Taal and Keharwa Taal in single and double Layakaries.
Course Title Course Code	Stage Performance and Viva- Voce 1MUSMJP0101
CO1	The students will come to know about basic practical aspect of Vocal Music and Sitar.
CO2	This course is designed to acquaint the students with swaras of Kalyan and Khamaj Thaata, by practicing Alankaars.
CO3	Students will gain knowledge of different parts of Sitar and its practice technique.
CO4	Students will be able to play teen taal on hand with single and double layakaries,
Course Title Course Code	Elementary Knowledge of Indian Classical Music 1MUSMNT0101
CO1	Students will understand concept of Sangeet,Margi Sangeet & Desi Sangeet
CO2	Students will come to know about classification of Indian music.
CO3	Students will acquire knowledge of Musical Instruments i.e Taanpura,,Sitar & Tabla.
CO4	Students will come to know about basic knowledge about Saptak ,Thaat, Laya and Taal .

CO5	Students will be able to write Teen Taal and Keharwa Taal in single and double Layakari.
Course Title Course Code	Stage Performance and Viva-Voce 1MUSMNP0101
CO1	The students will come to know about basic practical aspect of Vocal Music and Sitar.
CO2	This course is designed to acquaint the students with swaras of Kalyan and Khamaj Thaata, by practicing Alankaars.
CO3	Students will gain knowledge of different parts of Sitar and its practice technique.
CO4	Students will be able to recite teen taal with hand gestures in single and double layakaries,
Course Title Course Code	Introductory Knowledge of Tabla-I 1MUSSEC0101
CO1	Students will be made aware of rhythmic aspects of music.
CO2	Students will gain knowledge of different parts of Tabla and its practice technique.
CO3	Students will be able to play Teentaal and Kherwa taal on tabla.
CO4	Students will learn to accompany tabla with song.
CO5	Learning of tabla will help students to become tabla accompanist.



Principal

Department of PhilosophyGovt. College for Women, Gandhi Nagar, JammuCourse Outcomes

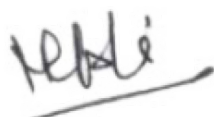
Course Outcome	Course Outcome
Course Title Course Code Sem 1st	Fundamentals of Philosophy 1PHLTC0101
CO 1	The course shall introduce to the students the very basics of philosophy – its subject matter as well as its structural framework.
CO2	After the completion of the course, the students will have acquainted themselves with the various branches of philosophy and different philosophical standpoints.
Course Title: Course Code: Sem 2nd	Social and Political Philosophy 1PHLTC0201
CO1	The course shall introduce to the students the fundamentals of socio-political philosophy.
CO2	The students shall be made to understand the significance of the political concepts that are at play within the society.
Course Title: Course Code: Sem 3rd	Western Philosophical Thought 1PHLTC0301
CO1	The course shall provide the students with a broad introduction to the main thinkers and theories of Western philosophy from antiquity up to the modern era.
CO2	After the completion of the course, the students will be familiar with the continuities as well as the ruptures in the Western philosophical narrative.
Course Title: Course Code: Sem 3rd	Philosophical Tools and Techniques 1PHLSE0301
CO1	The course shall enable the students to access a compendium of tools and techniques to facilitate philosophical analysis.

C02	The students would, after the completion of the course, be competent enough to adopt a hands-on approach to philosophical problems through the employment of these techniques.
Course Title: Course Code: Sem 4th	Indian Philosophical Thought 1PHLTC0401
C01	The course shall introduce to the students the main concepts and theories within the broad framework of Indian philosophy.
C02	After the completion of the course, the students would be able to appreciate the distinctions as well as the commonalities between the various schools of Indian philosophy, and grasp their chief metaphysical and epistemological standpoints.
Course Title: Course Code: Sem 4th	Introduction to Logic 1PHLSE0401
C01	The course shall provide students with the basic skills and knowhow of the discipline of Logic.
C02	The course shall make the students appreciate the different logical concepts and learn their application in philosophical discourse.
Course Title Course Code: Sem 5th	Philosophy of Religion 1PHLDE0501
C01	The course shall familiarize the students with the classical themes and debates in the Philosophy of Religion.
C02	After the completion of the course, the students will find themselves acquainted with the different concepts and issues entailed by religion, as well as appreciate the various theories of religion.
Course Title: Course Code: Sem 6th	Ethics and Its Applications 1PHLSE0501
C01	The course shall introduce to the students the theoretical aspects as well as the practical applications of the discipline of ethics.
C02	After the completion of the course, the students will be able to identify the ethical dilemmas and paradoxes at work within contemporary socio-political debates.

Course Title: Course Code: Sem 6th	Themes in Existentialism 0PHLGENE01
C01	The course shall introduce the students to the rich variety of existentialist thought.
C02	The course shall make the students appreciate the existentialists' concern with the individual and his/her subjectivity in contrast to the objectivist and absolutist character of philosophy in general.
Course Title: Course Code: Sem 6th	Modern Indian Thought 1PHLDE0602
C01	The course shall familiarize students with the varied themes and concerns raised by modern Indian thinkers.
C02	After the completion of the course, students shall be expected to comprehend the dynamics of an India at the crossroads – progressive yet rooted – encompassing social, political as well as spiritual conceptions.
Course Title Course Code: Sem 6th	Indian Yogic Traditions 1PHLSE0601
C01	The course shall acquaint students with the theoretical as well as practical dimensions of Yoga.
C02	The students will be encouraged to master and employ the skills inherent in various Yogic practices to facilitate a harmonious development of body and mind.
Course Title Course Code: Sem 6th	Themes in Political Philosophy 0PHLGENE02
C01	The course shall familiarize students with a broad range of themes and thinkers in Western as well as Indian Political Philosophy.
C02	The students shall be acquainted with the fundamental political concepts as well as the chief contemporary political debates.
	Sem 1st Course Outcomes of The Course According to New Education Policy

Course Title: Course Code:	Fundamentals of Philosophy - I 1PHIMNT0101
C01	The course shall familiarize the students with the very basics of philosophy as a discipline and field of thought.
C02	After the completion of the course, the students will be adept at comprehending the most fundamental themes and theories that underlie the branches in particular and philosophy as a whole.
Course Title: Course Code	Fundamentals of Ethics 1PHLMULDCT0101 Multi Disciplinary
C01	The course shall introduce to the students the very fundamentals of the discipline of ethics, its nature and scope.
C02	After the completion of the course, the students shall be expected to inculcate a balanced overview of the chief theories of ethics as well as the applications of these theories in real-life situations.
C03	The course shall familiarize students from non-philosophical backgrounds to the subject matter of ethics in particular, and philosophy in general.
	Sem 2nd Course Outcomes of The Course According to New Education Policy
Course Title: Course Code:	Fundamentals of Philosophy - II 1PHIMNT0201
C01	The course shall provide the students with a broad estimate of the inter-disciplinary nature of philosophical themes and theories.
C02	The course shall make the students appreciate the comprehensiveness of philosophy through an introductory survey of various branches of philosophy.
Course Title: Course Code:	Fundamentals of Ethics 1PHLMULDCT0201 Multi Disciplinary
C01	The course shall introduce to the students the very fundamentals of the discipline of ethics, its nature and scope.

C02	The course shall familiarize students from non-philosophical backgrounds to the subject matter of ethics in particular, and philosophy in general.
C03	After the completion of the course, the students shall be expected to inculcate a balanced overview of the chief theories of ethics as well as the applications of these theories in real-life situations.



Principal

Department of PhysicsGovt. College for women, Gandhinagar, JammuCourse Outcomes

Course Outcome number	Course Outcome
Sem I	
Course Title	TITLE: Electricity and Magnetism
Course Code	COURSE CODE : 1PHYMJT0101/ 1PHYMJT0101
CO1	After completion of this course the students will have the basic concepts of Vector Algebra
CO2	Students will be introduced to the practical concept of Gradient , Divergence and Curl and their Physical interpretation and applications .
CO3	Students will learn the inter convertibility of Line, Surface and Volume elements and their inter convertibility through Gauss divergence and Stokes theorem .
CO4	Students will revise the basic of Electrostatics and study Gauss theorem (both conducting medium and dielectric), its mathematical form and application.
CO5	Students will learn the important conclusion of Time varying Fields, Integral and differential forms of Faradays Law and concept of Poynting Theorem .
CO6	Students will learn the rigorous mathematical formulation for the propagation of Electromagnetic Waves. Concept of Reflection and Transmission, , They will be learn the important practical concept of Skin Depth and characteristics impedance.
Course Title	TITLE: Mechanics , Oscillations and Relativity
Course Code	COURSE CODE : 1PHYTC0101
CO1	Students will be introduced to the fundamentals of various coordinate systems. Introduction to orthogonal Coordinate Systems, Rotating Frames and Coriolis forces.

CO2	Students will revisit the Centre of mass concept and study study centre of mass as a frame of reference. Students will apply this concept to study Elastic collisions, Motion under central force field , Trajectory
CO3	Students will revise SHM, and thereafter will study the concept of Damped and Forced oscillations with mathematical detail
CO4	Students will revise Hooks law, Concept of elasticity and study practical application to Cantilever, Students will learn the practical methods for the determining Elastic constants
CO5	Students will be introduced to the new concept about Theory of relativity, importance of Michelson Morley Expt. and its outcome, students will learn the practical application as applied to Lorentz transformation, Length contraction, Time dilation and Twin paradox, variation of mass with velocity and Doppler effect.
BSc Sem Ist Skill)NEP Course Title	TITLE: Basics of Electricity and Electronics
Course Code	COURSE CODE : 1PHYSEC0101
CO1	Students will revise Basic parameters of electricity flow Resistance, Voltage , Current and Power.
CO2	The students will be introduced to Measuring Instruments , specifically Multi -meter in detail.
CO3	Students will learn the Basic concept of semi conductors, PN junction diode , some practical diodes , Zener , LED, Photo diode and solar cell
CO4	Students will critically study AC and DC power supplies, Students will be introduced to the concept of Rectification, Zener diode as Voltage Regulator, AC and DC generators
CO5	Students will study the high end application of perpendicular Electro-magnetic fields as applied in CRO its block diagram operation of key components, Configuration and application.
BSc Sem Ist , 2nd and 3rd semesters (Multidisciplinary)NEP Course Title	TITLE: Multidisciplinary Course in Physics
Course Code	COURSE CODE : 1PHYMULDC01

	As this course is meant for the students with humanities background hence the course is of very basic nature but of practical Importance and help them to understand various natural phenomenon form daily observations
CO1	Students will be Introduced to concept of Measurement, UNIT and DIMENSIONS, and SI system,
CO2	The students will have the basic knowledge important concepts of Electric field its basic rules and representation.
CO3	Students will be given the practical knowledge about Household Wiring , types , their advantage and disadvantages.
CO4	Students will learn and analyze the characteristics of laws of reflection and refraction, total internal reflection and Optical fibre.
CO5	Students will behave the basicImportant Concept of Satellite and Mobile communication. Block diagrams for both Geostationary satellites ,
BSc Sem IInd Core)NEP Course Title Course Code	TITLE: Mechanics , Oscillations and Relativity COURSE CODE : 1PHYMJT0201/ 1PHYMNT0201
CO1	Students will revise the basic and advance mathematics of Vector algebra, Coordinate Systems, Rotating Frames and Coriolis forces
CO2	Students will be introduced to the basic concept of Theory of relativity, Michelson Morley Expt. and its outcome, Lorentz transformation, Length contraction, Time dilation and Twin paradox, variation of mass with velocity, Particles with zero mass.
CO3	Students will learn the application of Centre of mass concept Elastic collisions, Motion under central force field , Trajectory under Central force field .

CO4	After this course the student will have knowledge of SHM (Simple Harmonic Motion) with Mathematical details, Examples of Compound Pendulum, Tensional ,Bifilar, and oscillations of two masses attached to a spring Students will enhance their understanding about Damped oscillations with its detailed mathematical derivation and characteristics.
CO5	Students will also study Forced oscillations with mathematical detail
BSc Sem IInd Skill)NEP Course Title	TITLE: Electrical Machines and Switches
Course Code	COURSE CODE : 1PHYSEC0201
CO1	Students will study Basic parameters of electricity flow Resistance, Voltage , Current and Power. Power and control circuits
CO2	Students will enhance their knowledge of basic electrical components Passive components, operation of transformers, AC and DC motors.
CO3	Students will be introduced to the important concept of Star and Delta connection for three phase supply with characteristics.
CO4	Students will learn the important knowledge about Construction , principle and working of transformers,Transformer ratio and CT and PT transformers.
CO5	Students will have the practical knowledge about common household electrical components like Switches, Lamp holders, Plugs and sockets . Insulation and type of cables. This will be of great help in their management and knowledge about various house hold connections.
BSc Sem IInd Core)CBCS Course Title	TITLE: Electricity and Magnetism
Course Code	COURSE CODE : 1PHYTC0201
CO1	Students will learn the Basics of Vector Algebra ,important concept of Gradient , Divergence and Curl and their interpretation and application. Strokes theorem and vector analysis

CO2	Students will gain knowledge of Electrostatics and Gauss theorem.
CO3	Students will be introduced to the practical concepts of Time varying Fields, Integral and differential forms of Faradays Law and concept of Poynting Theorem.
CO4	Students will gain knowledge about Electromagnetic Waves and its propagation, Reflection and transmission, modified wave equations, Practical applicability of Skin Depth and characteristics impedance.
BSc Sem III Course Title	TITLE: THERMAL PHYSICS AND STATISTICAL
Course Code	MECHANICS COURSE CODE : 1PHYTC0301
CO1	In this course the students will familiarize themselves with the important concept of Thermal and Statistical branch of Physics After this course students will have Understanding of fundamental principles of thermodynamics, including the Zeroth Law and concept of temperature, the First Law and its applications to heat engines and refrigerators, and the Second Law and its implications for entropy changes and the impossibility of reaching absolute zero.
CO2	Students will gain knowledge about thermodynamic potentials, including internal energy, enthalpy, Helmholtz free energy, and Gibbs free energy, and their use in various thermodynamic processes and transformations.
CO3	Students will be able to Comprehend the Kinetic Theory of Gases, including the derivation and experimental verification of Maxwell's law of distribution of velocities, the concept of mean free path, and transport phenomena like viscosity, conduction, and diffusion in gases.
CO4	Students will Study the behavior of real gases, critical constants, Joule-Thomson effect and cooling, and the principles of regenerative and cascade cooling.
CO5	Students will Develop an understanding of statistical mechanics, including the concept of probability, macrostate and microstate, and the application of different statistics like Maxwell-Boltzmann, Bose-Einstein, and Fermi-Dirac statistics to derive Planck's radiation law and analyze electron gas in metals

BSc Sem III (Skill) Course Title	TITLE: ELECTRICAL CIRCUITS AND NETWORK SKILLS
Course Code	COURSE CODE : 1PHYSE0302
CO1	After studying this course the students will have Fundamental understanding of Basic Electricity Principles: Voltage, Current, Resistance, and Power, including the application of Ohm's law and series/parallel combinations.
CO2	Students will have Competence in working with AC and DC Electricity, and proficiency in using multimeter, voltmeters, and ammeters.
CO3	Students will gain Proficient in reading Electrical Drawing and Symbols, including blueprints, schematics, ladder diagrams, and electrical circuit schematics.
CO4	Students will gain Skill in analyzing and understanding Electrical Circuits, both DC and AC sourced circuits, calculating current and voltage drop, and assessing real, imaginary, and complex power components.
CO5	After reading this course the Students will gain Knowledge of Generators, Transformers, Electric Motors, and Solid-State Devices, and familiarity with electrical protection systems, wiring techniques, and cable types for DC and AC circuits.
BSc Sem IV (Theory, core) Course Title	TITLE: Waves and Optics
Course Code	COURSE CODE : 1PHYTC0401
CO1	Students are introduced to Second Order differential equation for wave motion.
CO2	Students will gain mathematical skill by studying the Solution of differential equation with application

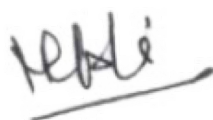
CO3	Students will have Detailed study of Optical phenomenon of Differentiation , its types and examples with mathematical details.
CO4	They will also gain immense practical knowledge with Detailed study of Interference and polarisation with practical examples of Zone Plate, Polari meter, Newton's Rings.
BSc Sem IV (Skill) Course Title	TITLE: Renewable Energy and Energy Harvesting
Course Code	COURSE CODE : 1PHYSE0401
CO1	Students will study basics and the latest advances in Solar Energy harnessing , Applications of Solar Cooker, Solar heaters, solar ponds its advantage and disadvantages.
CO2	The students will have Detailed study of Wind Energy and its harvesting . Construction and working of wind turbines.
CO3	In depth study of Hydro power, its types, Various stages , its environment impact.
CO4	Students will be introduced to the Latest and interesting Energy harvesting methods like Piezo- electricity its development models and applications. Electromagnetic harvesting employing human power Electromagnetic Linear generators , its advances and critical areas of applications.
CO5	Students will also learn the importance of Non- convention sources of energy and their importance to lowering of Carbon footsteps . Introduction to carbon capture methods its implementations, Methods Challenges in the under developed countries..
BSc Sem Vth Course Title	TITLE: ELEMENTS OF MODERN PHYSICS COURSE CODE :
Course Code	1PHYDE0502
CO1	Students will Grasp the fundamental concepts of quantum theory, including properties of photons, photoelectric effect, Compton effect, wave-particle duality, and matter waves. Students will understand the De Broglie wavelength and its applications, as well as the uncertainty principle and its implications for various phenomena.

CO2	Students will get proficiency in wave mechanics, understanding wave functions, Schrodinger's equation, normalization conditions, and probability current density. They will apply Schrodinger's equation to one-dimensional systems, potential barriers, and quantum mechanical tunneling.
CO3	Students will Gain knowledge of the general properties of nuclei, including nuclear size, mass, charge, density, angular momentum, magnetic moment, and nuclear stability. They will be familiar with the binding energy, liquid drop model, and nuclear shell model.
CO4	Students will Understand radioactivity, the law of radioactive decay, mean life, half-life, and radioactive dating. They will analyze different types of decay, including alpha decay, beta decay, and gamma-ray emission. Learners will also study nuclear fission, nuclear reactors, and nuclear fusion.
CO5	Students will be able to Comprehend the principles of lasers, including thermal equilibrium, stimulated absorption, emission, and population inversion. They will be familiar with the components and characteristics of different types of lasers, such as the Ruby laser, He-Ne laser, and semiconductor laser. Learners will also explore various applications of lasers.
BSc Sem Vth(Skill) Course Title	TITLE: BASIC INSTRUMENTATION SKILLS
Course Code	COURSE CODE : 1PHYSE0501
CO1	Students will Understand the principles of measurements and the characteristics of various measuring instruments, including multimeters, digital meters, and electronic voltmeters. They will be able to analyze accuracy, precision, sensitivity, and resolution range of these instruments.
CO2	Students will Gain proficiency in using and interpreting electronic voltmeters and AC millivoltmeters, as well as the advantages of electronic voltmeters over conventional multimeters in terms of input impedance and sensitivity.

CO3	Students will be able to Comprehend the working principles and specifications of Cathode Ray Oscilloscopes (CROs), including time base operation, synchronization, and front panel controls. They will also learn how to use a CRO for voltage measurements, both DC and AC, and explore the special features of dual trace CROs and digital oscilloscopes.
CO4	Students will have the first hand knowledge about signal generators and analysis instruments, including low-frequency signal generators, pulse generators, and function generators. They will be familiarized with distortion factor meters and wave analysis techniques.
CO5	Students will acquire knowledge about impedance bridges, Q-meters, and digital multimeters, including their block diagrams and working principles. Learners will also understand how to perform time interval, frequency, and period measurements using universal counters and digital multimeters.
BSc Sem VIth Course Title	TITLE: NUCLEAR AND PARTICLE PHYSICS COURSE CODE
Course Code	: 1PHYDE0603
CO1	After the course the students will Understand the fundamental structure of atomic nuclei, including nuclear forces and binding energies. Students will be able to Comprehend the behavior of particles at the subatomic level, including elementary particles and their interactions.
CO2	Students will get familiarize Be familiar with nuclear reactions, decay processes, and their applications in various fields, such as nuclear energy and medicine.
CO3	Analyze the Standard Model of particle physics, encompassing the classification of particles and the fundamental forces of nature.

CO4	After this course students will be able to Grasp the significance of ongoing research in nuclear and particle physics, and its implications for our understanding of the universe's fundamental constituents and interactions.
BSc Sem Vth (Skill) Course Title Course Code	TITLE: WEATHER FORECASTING COURSE CODE : 1PHYSE0602
CO1	After the course the students will have a Comprehensive understanding of the atmosphere: Students will gain knowledge about the physical structure and composition of the atmosphere, including its layering and how pressure and temperature vary with height. They will also learn about temperature sensors and atmospheric pressure measurements, as well as the characteristics of cyclones and anticyclones.
CO2	The students will have a vivid picture of Weather measurement techniques: Students will be able to measure various weather elements such as wind speed, wind direction, humidity, cloud cover, rainfall, and radiation. They will also understand the forces that produce wind and the laws governing radiation in the atmosphere.
CO3	The course will let the students to have a vivid knowledge of Weather systems knowledge: Students will learn about global wind systems, air masses, and fronts, as well as jet streams, local thunderstorms, tropical cyclones, tornadoes, and hurricanes. They will understand the classifications and characteristics of these weather systems.
CO4	After the course the students will have a clear Understanding of climate and climate change: Students will explore climate classification, the causes of climate change, and its outcomes, including global warming. They will also study environmental issues related to climate, such as air pollution, aerosols, ozone depletion, and acid rain.

CO5	Weather forecasting techniques: Students will be introduced to weather forecasting methods, including weather analysis, historical background, weather maps, and satellite observations. They will also learn about choosing appropriate weather stations, exposure criteria, and the concepts of uncertainty and predictability in weather forecasting, along with probability forecasts.
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Department of Political ScienceGovt. College for Women, Gandhi Nagar, JammuCourse Outcomes

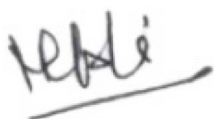
Course Outcome Number	Course Outcome
Course Title:	Introduction to Political Theory (Core)
Course Code:	1POLTC0101
Sem 1st	
CO 1	Students will understand Concept, Nature and Scope of Political Theory
CO2	Students will have knowledge about Functions and Components of State and State Theories
CO3	Students will have conceptual understanding of Key Concepts like Rights, Justice, Liberty, Equality
CO4	Students will develop to understand the knowledge about Approaches Traditional as well as Modern
CO5	Students will become aware about concept of Democracy, Citizenship and Feminism
CO6	Students will have knowledge about recent Debates on Political Theory
Course Title:	Indian Government & Politics (Core)
Course Code:	1POLTC0201
Sem 2nd	
CO1	Students will have knowledge about concept of Constitutional Development in India
CO2	Students will develop understanding of Philosophical and Ideological Nature of Preamble
CO3	Students will be able to understand the concept of Institutional Functioning of Parliament
CO3	Students will be able to understand various approaches to the study of Indian Politics
CO4	Students will have conceptual understanding of Functioning of Indian Judicial System
CO5	Students will understand Concept of Party System In India
Course Title:	Comparative Government & Politics
Course Code:	1POLTC0301
Sem 3rd	
CO1	Students will understand the Course of Comparative Govt.& Politics
CO2	Students will analyse the Classification of Various Political System

CO3	Students will understand the various Regimes through Comparative analysis
CO4	Students will understand Political Process and Political Development
Course Title: Course Code: Sem 3rd	Legislative Support 1POLSE0301
CO1	Students will have knowledge about the nature and Functioning of Indian Parliament
CO2	Students will be aware about Parliamentary Committees and Budget
CO3	Students will have conceptual understanding of Three Tier System or Local Self Government
CO4	Students will have knowledge about various Constitutional Bodies
CO5	Students will have understand Media and its Role in Social Governance
Course Title: Course Code: Sem 4th	Introduction to International Relations 1POLTC0401
CO1	Students will understand about concept of International Politics and Relations
CO2	Students will have knowledge about concept of National Power, National Interest
CO3	Students will analyse Instrument of Promotion of National Interest and Management of Power
CO4	Students will understand the Politics of Cold War and Post Cold War Era
CO5	Students will understand India's Foreign Policy and its Role
CO6	Students will be able to aware the Functioning of International Bodies like UN
Course Title: Course Code: Sem 4th	Public Opinion and Survey Research 1POLSE0401
CO1	Students will understand the Concept of Public Opinion and its Various Debates with Special Reference to India
CO2	Students will gain knowledge about Sampling and various techniques/ method to collect sample
CO3	Students will become aware of various methods of Data Collection
CO4	Students will have Conceptual Understanding of How To prepare Questionnaire
CO5	Students will have knowledge about various method of research and data compilation
Course Title: Course Code: Sem 5th	Comparative Political Thought : Western and Indian (DSE) 1POLDE0501
CO1	The Students will be able to understand the Political Thoughts of Plato and Aristotle

CO2	The Students will know about the Reading of Locke, J.S Mill and Rousseau
CO3	The Students will be able to understand the aims and Philosophy of Karl Marx
CO4	They will also will Understand the Political Philosophy of Indian Thinkers and their Contributions
Course Title: Course Code: Sem 6th	Society, Economy and Politics of Jammu & Kashmir (Skill) 1POLSE0501
CO1	Students will have understanding Of Structure of Society and Economy of J&K
CO2	Students will understand The Constitutional Development of State
CO3	Students will become aware of the Structure of State Government
CO4	Students will have knowledge of Political Processes and Development
CO 5	Students will have an understanding about State Dynamics and Politics
Course Title: Course Code: Sem 6th	Democracy and Governance in India (DSE) 1POLDE0601
CO1	Students will have conceptual understanding of Processes of Democratic Government in India
CO2	Students will have understanding of Judicial System in India
CO3	Students will understand the Idea and Concept of Gross Root Democracy
CO4	Students will understand the Dynamics of Civil Society and its Contribution in Democracy
Course Title: Course Code: Sem 5th	Reading Gandhi 0POLGENE03
CO1	Students will understand The Text and Philosophy of Gandhi
CO2	Students will have an understanding an Idea of Hind Swaraj
Co3	Students will gain knowledge about thought of Satyagrah, Sarvodaya and Non-Violence
CO4	Students will be able to understand Gandhi's Contribution in Modern India
Course Title: Course Code: Sem 6th	Conflict and Peace Building 1POLSE0601
CO1	Students will understand the Meaning of Conflict, Nature and its Types
CO2	Students will have Conceptual Understanding of Dimensions of Conflict
CO3	Students will understand the application and Sites of Conflict with Examples
CO4	Students will be able to understand Conflict Management Techniques

	Sem 1st Course Outcomes of The Course According to New Education Policy
Course Title: Course Code: Credit :4	Understanding Political Theory 1POLMNT0101
CO1	Students will understand Meaning and nature of Politics
CO2	Students will understand Nature and Scope of Political Science
CO3	Students will have Conceptual Understanding of Approaches to the Study of Politics
CO4	Students will have knowledge about the Nature and Origin of State
CO5	Students will have better understanding of Concept of Sovereignty and its theories
CO6	Students will understand Basic Concepts and Ideologies
Course Title: Course Code: Credit : 4	Understanding Political Theory 1POLMJT0101
CO1	Students will understand Meaning and nature of Politics
CO2	Students will understand Nature and Scope of Political Science
CO3	Students will have Conceptual Understanding of Approaches to the Study of Politics
CO4	Students will have knowledge about the Nature and Origin of State
CO5	Students will have better understanding of Concept of Sovereignty and its theories
CO1	Students will have knowledge about concept of Constitutional Development in India
CO2	Students will Aware about Union and State Executive
CO3	Students will analyse the Functioning of Union and State Legislature
CO4	Students will have conceptual understanding of Judicial Process
CO5	Students will be aware about Constitutional Bodies
	Sem 2nd Course Outcomes of The Course According to New Education Policy
Course Title : Course Code : Credit :4	Indian Constitution & Government 1POLMJT0201
CO1	Students will have knowledge about concept of Constitutional Development in India

CO2	Students will Aware about their Fundamental Rights, Duties and Directive Policies
CO3	Students will have knowledge about Basic Structure of Indian Constitution
CO4	Students will have Knowledge about Institutional Functioning
Course Title :	Indian Constitution & Government
Course Code :	1POLMNT0201
Credit :4	
CO1	Students will have knowledge about concept of Constitutional Development in India
CO2	Students will have knowledge about Basic Structure of Indian Constitution
CO3	Students will Aware about their Fundamental Rights, Duties and Directive Policies
Course Title :	Functioning of Constitutional Government in India
Course Code :	1POLMULDC01 Multi Disciplinary
Credit :3	
CO1	Students will have knowledge about concept of Constitutional Development in India
CO2	Students will Aware about Union and State Executive
CO3	Students will have conceptual understanding of Judicial Process



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Department of Psychology
Govt. College for Women, Gandhi Nagar, Jammu
Course Outcomes

Course Title Course Code Sem 1st	Foundations of Psychology 1PSYTC0101
CO 1	This course aims at enabling students to appreciate how individual behavior is influenced by social and cultural context.
CO2	It helps them to understand how social behaviour can be analyzed in terms of social-psychological theories.
CO3	It helps them to understand how social psychological knowledge can be used in solving social problems.
Course Title Course Code Sem 1st	Practicum in Foundations of Psychology 1PSYPC0101
CO1	The course will help students to assess the basic psychological processes and their applications in everyday life.
CO2	The course is designed to acquaint the students with basic foundations of psychology.
CO3	It includes various topics & conducting practicals on cognition, learning, motivation, emotion, intelligence and personality and measuring the level of these processes in an individual by using different psychological experiments and standardized psychological tests
Course Title: Course Code: Sem 2nd	Introduction to Social Psychology 1PSYTC0201
CO1	This course aims at enabling students to appreciate how individual behavior is influenced by social and cultural context.
CO2	It helps them to understand how social behaviour can be analyzed in terms of social-psychological theories
CO3	To realize how social psychological knowledge can be used in solving social problems.
Course Title: Course Code: Sem 2nd	Practicum in Introduction to Social Psychology 1PSYPC0201

CO1	To assess the basic psychological processes and their applications in everyday life.
CO2	The course is designed to acquaint the students with the concepts of social psychology.
CO3	It includes various topics & conducting practicals on social intelligence, leadership, conflict, attitude and interpersonal relationships.
CO4	Measuring the level of these processes in an individual by using standardized psychological tests.
Course Title: Course Code: Sem 3rd	Psychological Disorders 1PSYTC0301
CO1	To acquaint the students with the nature of various manifestations of psychological disorders. The course includes Anxiety Disorders, Somatoform Disorders, Personality Disorders, Mood Disorders and Schizophrenia
CO2	to develop understanding of various psychological disorders and their treatment
CO3	This course will sensitize the students about psychopathology and dispel myths regarding it.
Course Title: Course Code: Sem 3rd	Practicum in Psychological Disorders 1PSYPC0301
CO1	To assess the presence of different psychological issues.
CO2	The course is designed to acquaint the students with various psychological disorders.
CO3	It includes various topics & conducting practicals on anxiety, depression, OCD, mental health and to measure the presence of different personality types by using standardized psychological tests. This course will sensitize the students about psychopathology and dispel myths regarding it.
CO4	Students will learn to describe the diagnostic criteria, symptoms, etiology and correlates of major psychological disorders.
Course Title: Course Code: Sem 3rd	Applications of Social Psychology (SEC) 1PSYSE0301
CO1	To apply the principles of social psychology to understand and deal with social issues.
CO2	The essential themes of stress, coping with stress, various interventions, groups and their norms have been adequately incorporated in the course for an effective acquaintance of the subject.
CO3	Also the knowledge of the applications of social psychology are intended to make students cognizant with the concepts that have a relevance at workplace like: leadership, Job Satisfaction, Organizational Citizenship Behavior and Whistle Blowing
Course Title: Course Code: Sem 3rd	Developing Emotional Competence (SEC) 1PSYSE0302

CO1	The course has been designed in a comprehensive manner for a better understanding of the rudimentary concepts pertaining to emotions.
CO2	The course entails various themes stretching from the basic emotions, theories of emotions to the physiology behind all emotional patterns.
CO3	This framework intends to inculcate various emotional competencies in the students.
Course Title: Course Code: Sem 4th	Statistical Methods and psychological Research 1PSYTC0401
CO1	To introduce basic statistical methods, psychological testing and research methods and their uses.
CO2	The course aims at familiarizing the students with the analysis and computation of various statistical techniques.
CO3	The course will also subsequently enable the students to appreciate the relevance of quantitative and qualitative methods in psychological research.
Course Title: Course Code: Sem 4th	Practicum in Statistical methods and psychological Research 1PSYPC0401
CO1	To assess the basic psychological processes by using different statistical methods and their applications in everyday life.
CO2	The course is designed to acquaint the students with the concepts of research and statistics.
CO3	It includes various topics & calculating mean, SD, t-test, pearson correlation and spearman correlation by using standardized psychological tests.
Course Title: Course Code: Sem 4th	Managing Stress (SEC) 1PSYSE0401
CO1	To develop among students an understanding of the nature, sources and types of stress.
CO2	The course will assist the students to comprehend different theoretical approaches to stress.
CO3	Students will gain knowledge of Concept of Memory and Forgetting and the various techniques to improve memory
CO4	The students will gain an insight in to stress and different personality types; stress and illness; and also learn ways of coping with stress.
Course Title: Course Code: Sem 4th	Making Decisions (SEC) 1PSYSE0402
CO1	The course is designed to acquaint the students with the various strategies, which can be conducive in the development of decision-making capacities
CO2	The framework emphatically elaborates the use of heuristics, algorithms and analogies.
CO3	It also highlights the concepts of creative thinking and language along with some contemporary theories pertaining to the subject.

Course Title: Course Code: Sem 5th	Life span Development (DSE) 1PSYDE0501
CO1	This course is designed to provide an in-depth study of developmental psychology
CO2	To understand how human life unfolds from conception to late adulthood and to comprehend the relationship between theory and applications within each domain of development.
CO3	The students will be able to understand the principles of physical, social & cognitive development of human being at different stages of development.
Course Title: Course Code: Sem 5th	Practicum in Life span development 1PSYDP0501
CO1	To assess the basic developmental processes and their applications in everyday life.
CO2	The course is designed to acquaint the students with the concepts of developmental psychology.
CO3	It includes various topics & conducting practicals on the basic life's issues at various stages of life such as adolescent depression, self-esteem, love, marital adjustment and quality of life by using standardized psychological tests.
Course Title: Course Code: Sem 5th	Health and Well-being (DSE) 1PSYDE0502
CO1	To develop an understanding of health and how to maintain health and well-being.
CO2	To acquaint the students with the nature and significance of the emerging area of health psychology.
CO3	It will highlight the importance of social and psychological processes in the field of health.
CO2	The framework emphatically elaborates the use of heuristics, algorithms and analogies.
CO3	It also highlights the concepts of creative thinking and language along with some contemporary theories pertaining to the subject.
Course Title: Course Code: Sem 5th	Practicum in Health and Well-being 1PSYDP0502
CO1	To assess the basic psychological processes and their applications in everyday life.
CO2	The course is designed to acquaint the students with the concepts of health and well-being
CO3	It includes various topics & conducting practicals on quality of life, life satisfaction, depression, anxiety, stress, resilience and life orientation by using standardized psychological tests

Course Title: Course Code: Sem 5th	Managing human resources (SEC) 1PSYSE0501
CO1	The course is designed to help students gain an insight into the theoretical and practical perspectives, concepts and key aspects of human resource management.
CO2	The students will be able to comprehend various aspects of planning, job analysis and recruitment with a focus on development and appraisal of human resources.
Course Title: Course Code: Sem 5th	Cognitive Psychology (SEC) 1PSYSE0502
CO1	To provide a comprehensive grounding in the basics of cognitive psychology.
CO2	It discusses the concepts, issues and theoretical developments in the areas of cognitive development such as attention, perception and memory.
CO3	This course recognizes both the traditional and emerging trends in the field of cognitive psychology
Course Title: Course Code: Sem 5th	Positive Psychology (GE) 0PSYGENE01
CO1	The course will help students to develop an understanding of the concept of positive psychology
CO2	To apply the various principles of positive psychology for self development.
CO3	The students will learn to assist in enhancing positive development in others.
Course Title: Course Code: Sem 5th	Practicum in Positive Psychology 0PSYGENP01
CO1	To assess the basic positive psychological processes and their applications in everyday life.
CO2	The course is designed to acquaint the students with the concepts of positive psychology.
CO3	It includes various topics & conducting practicals on well-being, happiness, gratitude, resilience and optimism by using standardized psychological tests.
Course Title: Course Code: Sem 6th	Organizational Psychology (DSE) 1PSYDE0601
CO1	The course provides fundamental knowledge about basic concepts, theories and emergence of organizational psychology/organizational behavior
CO2	To develop an understanding of employees' work-related attitudes, to discuss theoretical and practical implications of motivating employees at work
CO3	To demonstrate the significance of leadership and positive psychology at work place.

CO4	It will help the students to understand workplace behavior which has micro and macro perspectives in organizations and subsequently assist them to apply the theoretical knowledge to applied settings.
Course Title: Course Code: Sem 6th	Practicum in Organizational Psychology 1PSYDP0601
CO1	To assess the basic psychological processes at work place and their applications in everyday life.
CO2	The course is designed to acquaint the students with the concepts of organizational psychology.
CO3	It includes various topics & conducting practicals on job satisfaction, organizational commitment, work motivation, leadership and psychological capital by using standardized psychological tests.
Course Title: Course Code: Sem 6th	Counselling Psychology (DSE) 1PSYDE0602
CO1	To develop an understanding of basic concepts, approaches, processes and applications of counseling.
CO2	The course is designed to provide an in-depth study of counseling process.
CO3	It includes the detailed study of concepts, goals and ethical issues in counseling; approaches to counseling and adopting the counseling process to specific populations.
CO4	It will orient the students for counseling in school as well as in clinical settings.
Course Title: Course Code: Sem 6th	Practicum in Counselling Psychology 1PSYDP0602
CO1	To assess the basic psychological processes during counselling and their applications in everyday life.
CO2	The course is designed to acquaint the students with the concepts of counselling psychology
CO3	It includes various topics & conducting practicals on aptitude, adjustment, achievement and intelligence by using standardized psychological test.
CO4	The students also learn the skill to take intake interview and write case studies of the clients.
Course Title: Course Code: Sem 6th	Psychology in Education (SEC) 1PSYSE0601
CO1	To understand how the principles of psychology can be applied to the area of Education.
CO2	The course incorporates a deeper understanding of children with special needs and the various provisions for effective learning in classrooms.

Course Title: Course Code: Sem 6th	Physiological Psychology (SEC) 1PSYSE0602
CO1	The course has been designed to provide knowledge about the underlying physiological processes.
CO2	This paper includes the study of neurons, synaptic transmission, nervous system, visual system, mechanisms of sleep and the problems associated with the various stages of REM sleep and Slow-wave sleep.
Course Title: Course Code: Sem 6th	Self and Personal Growth (GE) 0PSYGENE02
CO1	The course will enable the students to grasp the essentials for embarking on a journey within
CO2	The understanding of self through self-actualization along with some Indian themes would contribute towards the development of character strengths.
CO3	The students will learn self awareness through self development allowing them to take a deep look into their personality traits and values.
Course Title: Course Code: Sem 6th	Practicum in Self and Personal Growth 0PSYGENP02
CO1	To assess the basic psychological processes involved in self growth and personality development and their applications in everyday life.
CO2	The course is designed to acquaint the students with the concepts of self and personality.
CO3	It includes various topics & conducting practicals on self determination, self-esteem, self-concept, personal growth and self efficacy by using standardized psychological tests.

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Course Title: Course Code: Sem 1ST	Introduction to Psychology (MAJOR) 1PSYMJT0101
CO1	To understand the basic psychological processes and their applications in everyday life.
CO2	The course is designed to acquaint the students with basic foundations of psychology.
CO3	It includes various issues & theoretical framework of cognition, learning, motivation, emotion, intelligence and personality
Course Title: Course Code: Sem 1ST	Introduction to Psychology (MINOR) 1PSYMNT0101
CO1	To understand the basic psychological processes and their applications in everyday life.
CO2	The course is designed to acquaint the students with the concepts of health and well-being The course is designed to acquaint the students with basic foundations of psychology.
CO3	It includes various issues & theoretical framework of cognition, learning, motivation, emotion, intelligence and personality
Course Title: Course Code: Sem 1ST	Counselling (SKILL) 1PSYSEC0101
CO1	To develop an understanding of basic concepts, approaches, processes and applications of counselling.
CO2	The course is designed to provide an in-depth study of counselling process
CO3	It includes the detailed study of concepts, goals and ethical issues in counselling; approaches to counselling and adopting the counselling process to specific populations.
CO4	It will orient the students for counselling in school as well as in clinical settings
Course Title: Course Code: Sem 1ST	Personality: Theoretical approaches and assessment (MULTIDISCIPLINARY) 1PSYMULDC01
CO1	This course will familiarize students with a variety of personality theories, their history, and applications.
CO2	The students will consider theories that address personality development and implications for normal and abnormal development.
CO3	The students will also explore research questions such as stability of personality over time and situations, cultural differences in personality and personality measurement.
Course Title: Course Code: Sem 2nd	Introduction to Social Psychology (MAJOR) 1PSTMJT0201

CO1	This course aims at enabling students to appreciate how individual behavior is influenced by social and cultural context.
CO2	It helps them to understand how social behaviour can be analyzed in terms of social-psychological theories.
CO3	It helps them to realize how social psychological knowledge can be used in solving social problems.
Course Title: Course Code: Sem 2nd	Introduction to Social Psychology (MINOR) 1PSYMNT0201
CO1	This course aims at enabling students to appreciate how individual behavior is influenced by social and cultural context.
CO2	It helps them to understand how social behaviour can be analyzed in terms of social-psychological theories.
CO3	It helps them to realize how social psychological knowledge can be used in solving social problems.
Course Title: Course Code: Sem 2nd	Process and Approaches to Counselling Psychology (SKILL) 1PSYSEC0201
CO1	To develop an understanding of basic concepts, approaches, processes and applications of counseling.
CO2	The course is designed to provide an in-depth study of counseling process.
CO3	It includes the detailed study of concepts, goals and ethical issues in counseling; approaches to counseling and adopting the counseling process to specific populations.
CO4	It will orient the students for counseling in school as well as in clinical settings.
Course Title: Course Code: Sem 2nd	Personality: Theoretical approaches and assessment (MULTIDISCIPLINARY) 1PSYMULDC01
CO1	This course will familiarize students with a variety of personality theories, their history, and applications.
CO2	The students will consider theories that address personality development and implications for normal and abnormal development.
CO3	The students will also explore research questions such as stability of personality over time and situations, cultural differences in personality and personality measurement.

Hebi

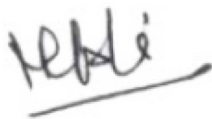
Principal

Department of Punjabi
Govt. College for Women, Gandhi Nagar, Jammu
Course Outcomes

COURSE NAME	COURSE OUTCOMES
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	1ST GENERAL PUNJABI PUNJABI NOVEL, NATAK ATE VIHARAK PUNJABI 1PUNTCCC01
C01 C02 C03	<p>ਵਿਵਿੱਆਰਥੀ ਨਾਟਕ ਿੀ ਬਣਤਰ ਅਤੇ ਨਾਟਕ ਵਿੱਖਣ ਵਿੱਚ ਿਰਤੋ ਜਾਾਂਿੇ ਨਾਟਕੀ ਯੰਤਰਾਾਂ ਨੰ ਸਮਝਸਕਣਗੇ।</p> <p>ਵਿਵਿੱਆਰਥੀ ਿਾਰਤਕ ਅਤੇ ਕਵਿਤਾ ਵਿੱਚ ਅੰਤਰ ਨੰ ਸਮਝਣ ਿੇ ਯੋਗ ਹੋਣਗੇ। ਇਹ ਕਵਿਤਾ ਵਿੱਚ ਿਰਤੋ ਗਏ ਸਾਹਤਕ ਸੁੱਥਿਾਂਾਂ ਿੀ ਸਮਝ ਵਿੱਕਵਸਤ ਕਰਿੰਾ ਹੈ। ਵਿਵਿੱਆਰਥੀ ਪੰਜਾਬੀ ਯੁਨੀ ਵਿਗਿਆਨ ਨੰ ਸਮਝ ਸਕਣਗੇ।</p>
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	1ST PUNJABI LITERATURE PUNJABI DRAMA LIFE SKETCH & PUNJABI LITERATURE 1PULTC0101
C01 C02 C03	<p>ਵਿਵਿੱਆਰਥੀਆਾਂ ਨੰ ਨਾਿਿਿ ਅਤੇ ਵਲਿੱਕੀ ਕਹਾਣੀ ਿੇ ਖੇਤਰ ਵਿੱਚ ਿੱਖਿੱਖ ਿੇਖਕਾਂਾਂ ਿੇ ਯੋਗਿੰਾਨ ਬਥੇ ਜਾਣਕਾਰੀ ਆਿੇਗੀ।</p> <p>ਵਿਵਿੱਆਰਥੀ ਨਾਟਕ ਿੀ ਬਣਤਰ ਨੰ ਸਮਝਣਗੇ ਅਤੇ ਨਾਟਕ ਵਿੱਖਣ ਿੇ ਿੇ ਿਰਤੋ ਜਾਾਂਿੇ ਿੱਖਿੱਖ ਨਾਟਕੀ ਯੰਤਰਾਾਂ ਨੰ ਸਮਝਣਗੇ।</p> <p>ਵਿਵਿੱਆਰਥੀ ਸਾਹਤ ਿਾ ਅਵਧਐਨ ਕਰਨ ਿਈ ਸੁੱਥਿਾਂਿਿੀ, ਵਿੱਖਣ ਅਤੇ ਬੋਿਣ ਿੇ ਹਨਰ ਬਾਰੇ ਿੱਖਿੱਖ ਹਨਰਾਂ ਬਾਰੇ ਜਾਣ ਸਕਣਗੇ।</p>
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	1ST COMMUNICATIVE PUNJABI NATAK SWAIJEVANI ATE VIHARAK PUNJABI 0PUNAECO1
C01 C02 C03	<p>ਵਿਵਿੱਆਰਥੀਆਾਂ ਨੰ ਪੰਜਾਬੀ ਵਿਵਰਜੇ ਅਤੇ ਬੋਿਚਾਿਿ ਬਾਰੇ ਜਾਣ ਕਰਿੰਾਇਆ ਜਾਿੇਗਾ। ਵਿਵਿੱਆਰਥੀ ਜੀਿਨੀ ਅਤੇ ਸਿੰੈ-ਜੀਿਨੀ ਵਿੱਚ ਅੰਤਰ ਨੰ ਸਮਝਣ ਿੇ ਯੋਗ ਹੋਣਗੇ।</p> <p>ਇਹ ਵਿਵਿੱਆਰਥੀਆਾਂ ਨੰ ਸੰਚਾਰ ਹਨਰ ਿੇ ਿੱਖਿੱਖ ਪਵਹਿ ਆਾਂ 'ਤੇ ਯਧਾਨ ਕੋਿਵਰਤ ਕਰਨ ਵਿੱਚਮਿਿ ਕਰੇਗਾ।</p>
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	2ND GENERAL PUNJABI PUNJABI NOVEL, DRAMA AND FUNCTIONAL PUNJABI 1PUNTCCC01
C01 C02 C03	<p>ਵਿਵਿੱਆਰਥੀ ਨਾਟਕ ਿੀ ਬਣਤਰ ਨੰ ਸਮਝ ਸਕਣਗੇ ਅਤੇ ਨਾਟਕ ਵਿੱਖਣ ਿਈ ਿਰਤੋ ਜਾਾਂਿੇ ਨਾਟਕੀ ਯੰਤਰਾਾਂ ਨੰ ਸਮਝ ਸਕਣਗੇ।</p> <p>ਵਿਵਿੱਆਰਥੀ ਿਾਰਤਕ ਅਤੇ ਕਵਿਤਾ ਵਿੱਚ ਅੰਤਰ ਨੰ ਸਮਝਣ ਿੇ ਯੋਗ ਹੋਣਗੇ। ਵਿਵਿੱਆਰਥੀ ਿੱਖਿੱਖ ਯੁਨੀਵਰਸਿਕ ਪਵਹਿ ਆਾਂ ਤੇਂ ਜਾਣ ਹੋ ਸਕਣਗੇ</p>

SEMESTER SUBJECT COURSE TITTLE COURSE CODE	2ND LITERATURE (DSE) GURMAT KAV, PUNJABI SAFARNAMA AND PUNJABI LITERATURE 1PULTC0201
C01 C02 C03	ਵਿਵਿਠਿਆਰਥੀਆਂ ਨੰ ਸਾਵਹਤ ਵਿੇ ਖੇਤਰ ਵਿਿੱਚ ਵਿੇਖਕ ਵਿੇ ਯੋਗਵਿਿਾਨ ਬਾਰੇ ਜਾਣਨਾ ਹੋਿੇਗਾ। ਵਿਵਿਠਿਆਰਥੀ ਗੁਰਮਤ ਵਿਿੱਚ ਨਿੰ ਸੁਬਵਿਿਾਨਾਂ ਵਿਿੀ ਰਚਨਾ ਵਿਿਾ ਅਵਧਐਨ ਕਰਨ ਵਿੇ ਯੋਗ ਹੋਣਗੇ। ਵਿਵਿਠਿਆਰਥੀ ਸਾਵਹਤ ਅਤੇ ਭਾਸ਼ਾ ਵਿੇ ਸਬੰਧਾਂ ਬਾਰੇ ਸੋਚ ਸਕਣਗੇ।
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	2ND COMMUNICATIVE PUNJABI NATAK SWAIJEVANI ATE VIHARAK PUNJABI 0PUNAECO1
C01 C02 C03	ਵਿਵਿਠਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿੇ ਵਿਿੱਖ-ਵਿਿੱਖ ਪਵਹਵਿਿ ਆਾਂ ਤੇਂ ਜਾਣ ਹੋ ਸਕਣਗੇ। ਵਿਵਿਠਿਆਰਥੀ ਜੀਵਿਨੀ ਅਤੇ ਸਵਿੈ-ਜੀਵਿਨੀ ਵਿਿੱਚ ਫਰਕ ਕਰਨ ਵਿੇ ਯੋਗ ਹੋਣਗੇ। ਵਿਵਿਠਿਆਰਥੀ ਸੰਚਾਰ ਹਨਰ ਵਿੇ ਵਿਿੱਖ-ਵਿਿੱਖ ਪਵਹਵਿਿ ਆਾਂ 'ਤੇ ਵਧਾਨ ਕੇਵਿਰਤ ਕਰਨ ਵਿੇ ਯੋਗ ਹੋਣਗੇ।
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	3RD GENERAL PUNJABI MEDIEVAL NARRATIVE POETRY, AUTO- BIOGRAPHY AND FUNCTIONAL PUNJABI 1PUNTCCC02
C01 C02 C03	ਵਿਵਿਠਿਆਰਥੀ ਇਹਨਾਂ ਵਿਖਤਾਂ ਵਿਿੱਚ ਵਿਰਸਾਏ ਗਏ ਸਮਾਜ ਵਿਿੀ ਸਮਾਜਕ, ਸਭਵਿਆਚਾਰਕ, ਰਾਜਨੀਤਕ ਅਤੇ ਆਰਵਥਕ ਸਵਥਤੀ ਬਾਰੇ ਜਾਣ ਸਕਣਗੇ। ਵਿਵਿਠਿਆਰਥੀ ਇਹ ਸਮਝਣ ਵਿੇ ਯੋਗ ਹੋਣਗੇ ਵਕਵਿਤਾ ਕੀ ਹੈ ਅਤੇ ਕਵਿਤਾ ਰਾਹੀਂ ਵਿਚਾਰ ਵਿਕੋ ਪਰਗਟ ਕੀਤੇ ਜਾ ਸਕਿ ਹਨ। ਵਿਵਿਠਿਆਰਥੀ ਵਿਿੱਖ-ਵਿਿੱਖ ਪੰਜਾਬੀ ਯਗਤੀਸੁਵਿਿ ਵਿੇ ਖਕਾਂ ਅਤੇ ਉਨ੍ਹਾਂ ਵਿਿੀਆਂ ਕਵਿਤਾਵਿਿਾਂ ਬਾਰੇ ਜਣ ਕਰਿਉਣਗੇ।
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	3RD PUNJABI LITERATURE MODERN PUNJABI STORY AND LITERATURE 1PULTC0301
C01 C02 C03	ਵਿਵਿਠਿਆਰਥੀਆਂ ਨੰ ਸਾਵਹਤਕ ਆਧੁਨਕ ਗਿਪ ਨਾਵਿਿਿ ਅਤੇ ਕਹਾਣੀਆਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹੋਿੇਗੀ। ਵਿਵਿਠਿਆਰਥੀ ਸਰਜਣਾਤਮਕਤਾ ਅਤੇ ਨਿਨਤਾ ਨੰ ਉਤਸੁਵਹਤ ਕਰਨ ਵਿਿਾ ਵਿੇ ਵਿਿਮਾਗ ਵਿੇ ਕਪਨਾਤਮਕ ਵਰਿਸਆਾਂ ਨੰ ਸਮਝਣ ਅਤੇ ਮਜਬਤ ਕਰਨ ਵਿੇ ਯੋਗ ਹੋਣਗੇ। ਵਿਵਿਠਿਆਰਥੀ ਸਾਵਹਤ ਵਿਿਾ ਅਵਧਐਨ ਕਰਨ ਵਿੇ ਆਪਣੀ ਸੁਬਵਿਿਾ ਵਿਿੀ, ਵਿਖਣ ਅਤੇ ਬੋਵਿਣ ਵਿੇ ਹਨਰ ਨੰ ਵਹਤਰ ਬਣਾਉਣ ਵਿੇ ਯੋਗ ਹੋਣਗੇ।
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	3RD SKILL ENHANCEMENT LEARNING SKILL OF FILM MAKING 1PULSE0301

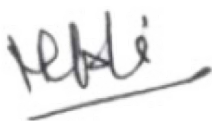
C01	ਵਿਵਿਆਰਥੀ ਵਿਸ਼ਵ-ਵਿਸ਼ਤ, ਸੰਵਿਰਭ ਅਤੇ ਵਿਸ਼ੇ ਵਿੱਚ ਪ੍ਰਫਕਰਤੀ ਵਿੱਚੋਂ ਅਨੁਕ੍ਰਿਤ ਵਿਖਣ ਸ਼ੈਲੀ ਨੂੰ ਜਾਣਨ ਵਿੱਚੋਂ ਯੋਗ ਹੋਣਗੇ।
C02	ਵਿਵਿਆਰਥੀ ਵਿੱਖ-ਵਿੱਖ ਤਕਨੀਕਾਂ ਅਤੇ ਭਾਸ਼ਾ ਵਿੱਚੋਂ ਹਨਰ ਨੂੰ ਸਮਝਣ ਵਿੱਚੋਂ ਯੋਗ ਹੋਣਗੇ।
C03	ਵਿਵਿਆਰਥੀ ਆਪਣੇ ਭਵਿੱਖ ਵਿੱਚੋਂ ਕਰੀਅਰ ਵਿੱਚ ਚਿਰਤਣ ਵਿੱਚੋਂ ਬਹੁਤ ਸਮਝਿੱਗਰੀ ਅਤੇ ਸਾਧਨਾਂ ਨੂੰ ਸਮਝਣਗੇ।



Principal

SEMESTER SUBJECT COURSE TITTLE COURSE CODE	4TH GENERAL PUNJABI MEDIEVAL NARRATIVE POETRY AUTOBIOGRAPHY AND FUNCTIONAL PUNJABI 1PUNTCCC02
C01 C02 C03	ਵਿਵਿੱਆਰਥੀ ਇਹਨਾਂ ਵਿੱਖਤਾਂ ਵਿੱਚ ਿਰਸਾਏ ਗਏ ਸਮਾਜ ਿੀ ਸਮਾਜਕ, ਸਭਿਆਚਾਰਕ, ਰਾਜਨੀਤਕ ਅਤੇ ਆਰਥਕ ਸਥਿਤੀ ਬਾਰੇ ਜਾਣ ਸਕਣਗੇ। ਵਿਵਿੱਆਰਥੀ ਸਮਝਣਗੇ ਵਕ ਵਿੱਤਾ ਕੀ ਹੈ ਅਤੇ ਕਵਿਤਾ ਰਾਹੀਂ ਵਿੱਚਾਰ ਵਿੱ ਪਰਗਟ ਕੀਤੇ ਜਾ ਸਕਿੰੇ ਹਨ। ਵਿਵਿੱਆਰਥੀ ਵਿੱਖ-ਵਿੱਖ ਪੰਜਾਬੀ ਯਗਤੀਸ਼ੀ ਵਿੱ ਵਿੱਖਕਾਂ ਅਤੇ ਉਨ੍ਹਾਂ ਵਿੱ ਕਵਿਤਾ ਬਾਰੇ ਜਾਣ ਸਕਣਗੇ।
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	4TH LITERATURE (DSE) PUNJABI NOVEL MODERN POETRY AND PUNJABI LITERATURE 1PULTC0401
C01 C02 C03	ਵਿਵਿੱਆਰਥੀ ਿਾਰਤਕ ਅਤੇ ਕਵਿਤਾ ਵਿੱਚ ਵਿੱ ਅੰਤਰ ਨੂੰ ਸਮਝਣਗੇ। ਵਿਵਿੱਆਰਥੀ ਇਹ ਸਮਝਣ ਵਿੱੇ ਯੋਗ ਹੋਣਗੇ ਵਕ ਕਵਿਤਾ ਕੀ ਹੈ ਅਤੇ ਕਵਿਤਾ ਰਾਹੀਂ ਵਿੱਚਾਰ ਵਿੱ ਪਰਗਟ ਕੀਤੇ ਜਾ ਸਕਿੰੇ ਹਨ। ਵਿਵਿੱਆਰਥੀ ਵਿੱਖ-ਵਿੱਖ ਪੰਜਾਬੀ ਯਗਤੀਸ਼ੀ ਵਿੱ ਵਿੱੇ ਖਕਾਂ ਅਤੇ ਉਨ੍ਹਾਂ ਵਿੱੀਆਂ ਕਵਿਤਾ ਵਿੱਾਂ ਬਾਰੇ ਜਾਣ ਸਕਣਗੇ।
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	4TH PUNJABI SKILL (SEC) LEARNING SKILL OF MEDIA AND MASS COMMUNICATION 1PULSE0401
C01 C02 C03	ਮੀਡੀਆ ਮਾਸ ਕਮਿਊਨੀਕੇਸ਼ਨ ਵਿੱੇ ਖੇਤਰ ਬਾਰੇ ਵਿਵਿੱਆਰਥੀਆਂ ਨੂੰ ਜਾਗਰਕ ਕੀਤਾ ਜਾਵਿੰੇਗਾ ਤਾਂ ਜੋ ਉਹ ਇਸ ਨੂੰ ਆਪਣੇ ਕਰੀਅਰ ਵਿੱਜੇਂ ਚੁਣ ਸਕਣ। ਵਿਵਿੱਆਰਥੀ ਮਾਸ ਕਮਿਊਨੀਕੇਸ਼ਨ ਵਿੱਚ ਭਾਸ਼ਾ ਵਿੱੇ ਹਨਰ ਵਿੱੀ ਤਕਨੀਕ ਬਾਰੇ ਜਾਣ ਸਕਣਗੇ। ਵਿਵਿੱਆਰਥੀ ਸਮਿੰਗਰੀ ਨੂੰ ਸ਼ਹਤਰ ਤਰੀਕੇ ਨਾ ਵਿੱ ਸਮਝਣ ਵਿੱੇ ਯੋਗ ਹੋਣਗੇ ਅਤੇ ਉਹਨਾਂ ਨੂੰ ਅਪਣੇ ਭਵਿੱਖ ਵਿੱੇ ਕਰੀਅਰ ਵਿੱਚ ਿਰਤਣ ਵਿੱੀ ਸੀ ਵਿੱ ਖਿੰਾਨ ਕਰਨਗੇ।
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	5TH PUNJABI LITERATURE HISTORY OF PUNJABI LITERATURE FROM BEGINNING PERIOD TO PRESENT 1PULDE0503
C01 C02 C03	ਵਿਵਿੱਆਰਥੀ ਯਸ਼ਿੱਧ ਸਾਹਤ ਵਿੱੇ ਅਰਥ ਅਤੇ ਇਸ ਵਿੱੇ ਵਿੱਖਰੇ ਚਰਿੱਤਰ ਨੂੰ ਜਾਣਨ ਵਿੱੇ ਯੋਗ ਹੋਣਗੇ। ਵਿਵਿੱਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਤ ਵਿੱੇ ਸੂਰ ਤੇਂ ਵਿੱੇ ਕੇ ਿਰਤਮਾਨ ਤਿੱਕ ਵਿੱੇ ਵਿਵਹਾਸ ਵਿੱੇ ਵਿੱਕਾਸ ਨੂੰ ਸਮਝਣਗੇ। ਇਹ ਉਹਨਾਂ ਵਿੱੀ ਆ ਵਿੱੇਚਨਾਤਮਕ ਸੋਚ ਨੂੰ ਿਧਾਏਗਾ ਅਤੇ ਵਿੱਜੇਂ ਸਭਿਆਚਾਰ ਵਿੱੇ ਅਧਐਨ ਵਿੱਾ ਰਾ ਉਹਨਾਂ ਵਿੱੇ ਆਪਣੇ ਸਿੱਭਿਆਚਾਰ ਨੂੰ ਸਮਝ ਸਕੇਗਾ।
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	5TH SKILL ENHANCEMENT GURUMUKHI LIPPI ATE PUNJABI BHASHA 1PULSE0502
C01 C02 C03	ਵਿਵਿੱਆਰਥੀ ਵਿੱਖ-ਵਿੱਖ ਤਕਨੀਕਾਂ ਅਤੇ ਭਾਸ਼ਾ ਵਿੱੇ ਹਨਰ ਨੂੰ ਸਮਝਣ ਵਿੱੇ ਯੋਗ ਹੋਣਗੇ। ਵਿਵਿੱਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਸਾਹਤ ਨੂੰ ਸਮਝ ਸਕਣਗੇ। ਵਿਵਿੱਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਵਿੱਪੀ ਅਤੇ ਭਾਸ਼ਾ ਵਿੱਚ ਅੰਤਰ ਸਮਝਣਾ ਹੋਵਿੰੇਗਾ।

SEMESTER SUBJECT COURSE TITTLE COURSE CODE	5TH GENERIC MODERN PUNJABI STORY AND FUNCTIONAL PUNJABI OPUNGENE01
C01 C02 C03	ਵਿਵਿੱਆਰਥੀ ਸਾਹਤਕ ਆਧੁਨਕ ਰਿਪ ਨਾਵਿੱ ਵਿ ਅਤੇ ਕਹਾਣੀਆਂ ਬਾਰੇ ਜਾਗਰਕ ਕਰਨਗੇ। ਵਿਵਿੱਆਰਥੀ ਰਾਆਨ ਵਿੱੇ ਵਿੱੱਖ-ਵਿੱੱਖ ਸਾਹਤਕ ਪਹਿੱ ਆਾਂ ਤੋਂ ਜਾਣ ਹੋਣਗੇ। ਇਹ ਵਿਵਿੱਆਰਥੀਆਂ ਨੂੰ ਸਾਹਤ ਵਿੱਾ ਅਢਯਐਨ ਕਰਨ ਵਿੱਈ ਸੁੱਬਿੱਾ ਵਿੱਿੀ, ਵਿੱਖਣ ਅਤੇ ਬੋਣਿੱ ਵਿੱੇ ਹਨਰ ਨੂੰ ਸੁੱਧਾਰਨ ਵਿੱਿੱਚ ਮਿੱ ਵਿ ਕਰੇਗਾ।
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	6TH LITERATURE (DSE) COMPARATIVE STUDY OF SUFI AND GURMAT POETRY 1PULDE0602
C01 C02 C03	ਵਿਵਿੱਆਰਥੀ ਤੁੰਨਾਤਮਕ ਅਢਯਐਨ ਨੂੰ ਸਮਝ ਸਕਣਗੇ। ਵਿਵਿੱਆਰਥੀ ਵਿੱਾਰਤਕ ਅਤੇ ਕਵਿੱਤਾ ਵਿੱਚਿੱੇ ਅੰਤਰ ਨੂੰ ਸਮਝਣ ਵਿੱੇ ਯੋਗ ਹੋਣਗੇ। ਵਿਵਿੱਆਰਥੀ ਉਪਿੱੇਸ਼ ਜਾਾਂ ਗੁਰਮਤ ਨੂੰ ਸਮਝ ਸਕਣਗੇ।
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	6TH PUNJABI SKILL (SEC) TEACHING OF PUNJABI 1PULSE0602
C01 C02 C03	ਵਿਵਿੱਆਰਥੀ ਆਪਣੀ ਰਚਨਾਤਮਕਤਾ ਨੂੰ ਵਨਖਾਰ ਸਕਣਗੇ। ਵਿਵਿੱਆਰਥੀ ਵਿੱੱਖ-ਵਿੱੱਖ ਸਾਹਤਕ ਪਹਿੱ ਆਾਂ ਤੋਂ ਜਾਣ ਹੋ ਸਕਣਗੇ। ਵਿਵਿੱਆਰਥੀ ਤਕਨੀਕਾਂ ਨੂੰ ਸਮਝ ਸਕਣਗੇ।
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	6TH GENERIC GURBANI AND FUNCTIONAL PUNJABI OPUNGENE02
C01 C02 C03	ਵਿਵਿੱਆਰਥੀ ਕਵਿੱਤਾ ਵਿੱੀਆਂ ਵਕਸਮਾਂ ਨੂੰ ਸਮਝ ਸਕਣਗੇ। ਵਿਵਿੱਆਰਥੀ ਗੁਰਬਾਣੀ ਵਿੱੇ ਉਪਿੱੇਸ਼ਾਂ ਬਾਰੇ ਜਾਣ ਕਰ ਸਕਣਗੇ। ਵਿਵਿੱਆਰਥੀ ਵਿੱੱਖ-ਵਿੱੱਖ ਧੁਨੀਤਵਮਕ ਵਿੱਹਜੇ ਅਤੇ ਉਪਕਰਨਾਂ ਨਾ ਵਿ ਜਾਣ ਹੋ ਸਕਣਗੇ।



Principal

NEP COURSE OUTCOMES

COURSE NAME	COURSE OUTCOMES
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	1ST MINOR PUNJABI PURAV NANAK KAAL DA SAHIT 1PULMNT0101
C01 C02 C03	<p>ਵਿਵਿੱਧ ਆਰਥੀ ਵਗਾਠ ਵਿੱਚੋਂ ਵਿੱਖ-ਵਿੱਖ ਸਾਹਿਤਕ ਪੜ੍ਹ ਵਿੱਚ ਆਂ ਤੋਂ ਜਾਣ ਹੋਣਗੇ।</p> <p>ਵਿਵਿੱਧ ਆਰਥੀ ਪੜ੍ਹ ਵਿੱਚ ਸਾਹਿਤ ਵਿੱਚੋਂ ਅਰਥ ਅਤੇ ਇਸ ਵਿੱਚੋਂ ਵਿੱਖਰੇ ਚਰਿੱਤਰ ਨੂੰ ਜਾਣਨ ਵਿੱਚੋਂ ਯੋਗ ਹੋਣਗੇ। ਵਿਵਿੱਧ ਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਵਿੱਚੋਂ ਸੁਰ ਤੋਂ ਵਿੱਚੋਂ ਕੇ ਰਿਤਮਾਨ ਤਿੱਕ ਵਿੱਚੋਂ ਇਤਹਾਸ ਵਿੱਚੋਂ ਵਿਕਾਸ ਨੂੰ ਸਮਝਣਗੇ।</p>
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	1ST MULTIDISCIPLINARY PUNJABI LOKDHARA ATE VIYAKARAN 1PUNMULDC01
C01 C02 C03	<p>ਵਿਵਿੱਧ ਆਰਥੀ ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਅਤੇ ਪੰਜਾਬ ਵਿੱਚੋਂ ਵਿੱਕ ਨਾਚਾਂ ਬਾਰੇ ਪੜ੍ਹੀ ਜਾਣਕਾਰੀ ਹਾਸ ਵਿੱਚ ਕਰਨਗੇ। ਵਿਵਿੱਧ ਆਰਥੀ ਵਿੱਖ-ਵਿੱਖ ਪੁਨੀਤਵਮਕ ਪੜ੍ਹ ਵਿੱਚ ਆਂ ਤੋਂ ਜਾਣ ਹੋ ਸਕਣਗੇ। ਵਿਵਿੱਧ ਆਰਥੀ ਪੰਜਾਬੀ ਵਿੱਕ ਆਕਰਨ ਨੂੰ ਸਰਲਤਾ ਨਾਲ ਸਮਝ ਸਕਣਗੇ।</p>
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	1ST COMMUNICATIVE PUNJABI BHASHA VIGYAN ATE RACHNAVALI 1PUNAEC0101
C01 C02 C03	<p>ਵਿਵਿੱਧ ਆਰਥੀ ਵਿੱਖ-ਵਿੱਖ ਤਕਨੀਕਾਂ ਅਤੇ ਭਾਸ਼ਾ ਵਿੱਚੋਂ ਹਨਰ ਨੂੰ ਸਮਝਣ ਵਿੱਚੋਂ ਯੋਗ ਹੋਣਗੇ।</p> <p>ਵਿਵਿੱਧ ਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਸਾਹਿਤ ਨੂੰ ਸਮਝ ਸਕਣਗੇ।</p> <p>ਵਿਵਿੱਧ ਆਰਥੀ ਆਂ ਨੂੰ ਪੰਜਾਬੀ ਵਿੱਖੀ ਅਤੇ ਭਾਸ਼ਾ ਵਿੱਚ ਅੰਤਰ ਸਮਝਣਾ ਹੋਵੇਗਾ।</p>
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	1ST SKILL PUNJABI JOURNALISM-I 1PUNSEC0101
C01 C02 C03	<p>ਵਿਵਿੱਧ ਆਰਥੀ ਪਿੱਤਰਕਾਰੀ ਬਾਰੇ ਪੜ੍ਹੀ ਜਾਣਕਾਰੀ ਹਾਸ ਵਿੱਚ ਕਰੇਗਾ।</p> <p>ਵਿਵਿੱਧ ਆਰਥੀ ਪਿੱਤਰਕਾਰੀ ਵਿੱਚੋਂ ਵਿੱਖ-ਵਿੱਖ ਪੜ੍ਹ ਵਿੱਚ ਆਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਹਾਸ ਵਿੱਚ ਕਰੇਗਾ।</p> <p>ਵਿਵਿੱਧ ਆਰਥੀ ਸਮਿੱਗਰੀ ਨੂੰ ਬਹੁਤ ਤਰੀਕੇ ਨਾਲ ਸਮਝਣ ਵਿੱਚੋਂ ਯੋਗ ਹੋਣਗੇ ਅਤੇ ਉਹਨਾਂ ਨੂੰ ਆਪਣੇ ਭਵਿੱਖ ਵਿੱਚੋਂ ਕਰੀਅਰ ਵਿੱਚ ਰਿਤ ਵਿੱਚੀ ਸੀ ਵਿੱਚ ਖਿੱਚਾਨ ਕਰਨਗੇ।</p>
SEMESTER SUBJECT COURSE TITTLE COURSE CODE	2ND MINOR PUNJABI GURU NANAK KAAL 1PULMNT0201
C01 C02 C03	<p>ਵਿਵਿੱਧ ਆਰਥੀ ਵਗਾਠ ਵਿੱਚੋਂ ਵਿੱਖ-ਵਿੱਖ ਸਾਹਿਤਕ ਪੜ੍ਹ ਵਿੱਚ ਆਂ ਤੋਂ ਜਾਣ ਹੋਣਗੇ।</p> <p>ਵਿਵਿੱਧ ਆਰਥੀ ਪੜ੍ਹ ਵਿੱਚ ਸਾਹਿਤ ਵਿੱਚੋਂ ਅਰਥ ਅਤੇ ਇਸ ਵਿੱਚੋਂ ਵਿੱਖਰੇ ਚਰਿੱਤਰ ਨੂੰ ਜਾਣਨ ਵਿੱਚੋਂ ਯੋਗ ਹੋਣਗੇ। ਵਿਵਿੱਧ ਆਰਥੀ ਪੰਜਾਬੀ ਸਾਹਿਤ ਵਿੱਚੋਂ ਸੁਰ ਤੋਂ ਵਿੱਚੋਂ ਕੇ ਰਿਤਮਾਨ ਤਿੱਕ ਵਿੱਚੋਂ ਇਤਹਾਸ ਵਿੱਚੋਂ ਵਿਕਾਸ ਨੂੰ ਸਮਝਣਗੇ।</p>
SEMESTER SUBJECT COURSE TITTLE	2ND MIL PUNJABI MEDIEVAL NARRATIVE POETRY, AUTO- BIOGRAPHY AND FUNCTIONAL PUNJABI

COURSE CODE	1PUNAECTC01
C01	ਵਿਵਿੱਆਰਥੀ ਇਹਨਾਂ ਵਿੱਖਤਾਂ ਵਿੱਚ ਵਿੱਰਸਾਏ ਗਏ ਸਮਾਜ
C02	ਿੀ ਸਮਾਜਕ, ਸਭਿਆਚਾਰਕ, ਰਾਜਨੀਤਕ ਅਤੇ ਆਰਥਕ ਸਥਤੀ ਬਾਰੇ
C03	ਜਾਣ ਸਕਣਗੇ। ਵਿਵਿੱਆਰਥੀ ਇਹ ਸਮਝਣ ਵਿੱੇ ਯੋਗ ਹੋਣਗੇ ਵਕ ਵਿੱਤਾ ਕੀ ਹੈ ਅਤੇ ਕਵਿਤਾ ਰਾਹੀਂ ਵਿੱਚਾਰ ਵਿੱ ਪਰਗਟ ਕੀਤੇ ਜਾ ਸਕਿ ਹਨ। ਵਿਵਿੱਆਰਥੀ ਵਿੱਖ-ਵਿੱਖ ਪੰਜਾਬੀ ਯਗਤੀਸ਼ੀ ਵਿੱੇ ਵਿੱੇ ਖਕਾਂ ਅਤੇ ਉਨ੍ਹਾਂ ਵਿੱੀਆਂ ਕਵਿਤਾ ਵਿੱਾਂ ਬਾਰੇ ਜਣ ਕਰਿਉਣਗੇ।
SEMESTER	2ND
SUBJECT	MULTIDISCIPLINARY PUNJABI
COURSE TITTLE	LOKDHARA ATE VIYAKARAN
COURSE CODE	1PUNMULDC01
C01	ਵਿਵਿੱਆਰਥੀ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਅਤੇ ਪੰਜਾਬ ਵਿੱੇ ਵਿੱੋਕ
C02	ਨਾਚਾਂ ਬਾਰੇ ਪਰੀ ਜਾਣਕਾਰੀ ਹਾਸ ਵਿੱੇ ਕਰਨਗੇ। ਵਿਵਿੱਆਰਥੀ
C03	ਵਿੱਖ-ਵਿੱਖ ਯੁਨੀਤਵਮਕ ਪਵਹ ਵਿੱੇ ਆਾਂ ਤੋਂ ਜਾਣ ਹੋ ਸਕਣਗੇ। ਵਿਵਿੱਆਰਥੀ ਪੰਜਾਬੀ ਵਿੱਿਆਕਰਨ ਨੰ ਸਰਲਤਾ ਨਾਲ ਸਮਝ ਸਕਣਗੇ।
SEMESTER	2ND
SUBJECT	SKILL PUNJABI
COURSE TITTLE	JOURNALISM-II
COURSE CODE	1PUNSEC0201
C01	ਵਿਵਿੱਆਰਥੀ ਪਿੱਤਰਕਾਰੀ ਬਾਰੇ ਪਰੀ ਜਾਣਕਾਰੀ ਹਾਸ ਵਿੱੇ ਕਰੇਗਾ।
C02	ਵਿਵਿੱਆਰਥੀ ਪਿੱਤਰਕਾਰੀ ਵਿੱੇ ਵਿੱਖ-ਵਿੱਖ ਪਵਹ ਵਿੱੇ ਆਾਂ ਬਾਰੇ
C03	ਜਾਣਕਾਰੀ ਹਾਸ ਵਿੱੇ ਕਰੇਗਾ। ਵਿਵਿੱਆਰਥੀ ਸਮਿੱਗਰੀ ਨੰ ਬਹਤਰ ਤਰੀਕੇ ਨਾ ਵਿੱੇ ਸਮਝਣ ਵਿੱੇ ਯੋਗ ਹੋਣਗੇ ਅਤੇ ਉਹਨਾਂ ਨੰ ਅਭਵਿੱਖ ਵਿੱੇ ਕਰੀਅਰ ਵਿੱਚ ਰਿਤਣ ਿਈ ਸੀ ਵਿੱੇ ਯਿੱਨ ਕਰਨਗੇ।

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Principal

Department of StatisticsGovt. College for Women, Gandhi Nagar, JammuCourse Outcomes

Course outcome number	Course outcome
Course Title: Course Code: Semester – 1st	Statistics and Probability 1STSTC0101
CO 1	The Students will be able to understand the concept of statistical data, graphical representation and measure of central tendency.
CO 2	The Student will have knowledge about measure of dispersion, Moments and the concept of skewness and kurtosis.
CO 3	The students will be able to understand the concept and properties of scatter diagram, correlation, rank.
CO 4	The students will be able to understand the concept of regression and probabilities.
Course Title: Course Code: Semester – 2nd	Statistical Methodology 1STSTC0201
CO 1	The Students will be able to understand the concept of random variable and its properties and cumulates and m.g.f functions.
CO 2	Student will have knowledge about the concept of Characteristic function and bivariate probability distribution.
CO 3	The students will be able to understand the function of discrete and continuous with their properties.
CO 4	The students will be able to understand the concept and properties of Gamma and Beta distribution and role of Markov's, Chebyshev's inequality and CLT.
Course Title: Course Code: Semester – 3rd	THEORY OF STATISTICAL INFERENCE 1STSTC0301
CO 1	The Students will be able to understand the concept of Sampling Distribution
CO 2	Student will have knowledge about the concept of Theory of Estimation with application.
CO 3	The students will be able to understand the concept and applications of "Testing of Hypothesis".
CO 4	The students will have knowledge about the aspects of large sample test.
Course Title: Course Code: Semester – 3rd	Regression Analysis 1STSSE0302
CO 1	Students will be able to understand the practical utility of correlation.

CO 2	Students will also be aware about the application of regression analysis in different fields.
CO 3	Students will be able to understand the fitting of linear and non linear curves.
Course Title: Course Code: Semester – 4th	Survey Sampling and design of experiments 1STSTC0401
CO 1	Students will be able to understand the concept and utility of sample survey.
CO 2	The Students will know about the significance sampling technique
CO 3	The students will be able to understand the concept and practical utility of design of experiments and analysis of variance.
CO 4	The students will be able to understand the aspects of present official statistical system in India.
Course Title: Course Code: Semester – 4th	Non – Parametric Tests 1STSSE0402
CO 1	The Students will be able to understand the basic and fundamental aspects of non- parametric methods.
CO 2	The Students will be able to gain the knowledge about the one sample and two sample tests of non-parametric.
CO 3	The Students will also develop the knowledge about the testing of Goodness of fit.
Course Title: Course Code: Semester – 5th	Applied Statistics - I 1STSDSE0501
CO 1	The Students will be able to understand the concepts and function of different methods of time series data.
CO 2	Students will also develop their knowledge about the uses and functions of index numbers and demand analysis.
CO 3	Students will also understand method of interpolation, Newton, langrange's methods and Trapezodial rule.
CO 4	Students will also aware about concept of non-parametric tests and Spearman's rank Correlation.
Course Title: Course Code: Semester – 5th	Research Methodology 1STSSE0501
CO 1	The Students will be able to understand the concepts of research methodology with merits and demerits.
CO 2	The Students will also develop their knowledge about the research problems.
CO 3	The Students will also understand be concept and application of survey methodology.
CO 4	The students will also gain their knowledge about data collection and preparation.

CO 5	The students will also able to understand practical utility of data analysis and interpretation.
Course Title: Course Code: Semester – 6th	Vital Statistics and Statistical Technique for Quality Control 1STDSE0601
CO 1	The Students will be able to understand the introduction and sources of collecting data on vital statistics and measure of mortality.
CO 2	The Students will also develop their knowledge about the construction of life tables and measure of fertility
CO 3	The Students will also understand be concept and uses of quality control and concept of 3 and 6 sigma limits.
CO 4	The students will also gain their knowledge about control charts for variables and attributes.
CO 5	The students will be able to understand the single and double sampling plants with graphical interpretation.
Course Title: Course Code: Semester – 6th	Operation Research 1STSSE0603
CO 1	The Students will be able to understand the introduction and uses of operation research.
CO 2	The Students will also develop their knowledge about the application of linear programming.
CO 3	The Students will be able to understand the concept and practical uses of simplex method.
CO 4	The students will also gain their knowledge about the transportation problems.
CO 5	The students will be able to understand the concept and method of assignment problem.

Semester First Course outcomes as per New Education Policy (NEP 2020)

Course Title: Course Code: Semester – I	Descriptive Statistics 1TSMJT0101/1TSMNT0101
CO 1	The Students will be able to understand the basic knowledge of statistics and different types of data
CO 2	The Students will also develop their knowledge about the diagrammatic and graphical techniques used to represent data.
CO 3	The Students will be able to understand to describe the Measure of central tendency, Dispersion and moments with their significance.
CO 4	The students will also gain their knowledge to deal with problems based on determination of correlation and regression.

CO5	The Students will be able to understand the concept and practical utilities of Multiple and Partial Correlation in different fields.
Course Title: Course Code: Semester – I	Computational Statistics 1STSSEC0101
CO 1	The Students will be able to expose their knowledge about real life skill for statistical computing.
CO 2	The Students will also develop their knowledge about the analysis and graphical interpretation using software skill.
CO 3	The Students will be able to solve the problem on Excel to enhance data analysis skills.
Course Title: Course Code: Semester – II	Statistics and Probability 1TSMJT0201/1TSMNT0201
Co.1	The students will be able to understand the concept of probability along with their basic law and ability to apply basic probability principles.
Co.2	The students will be able to understand the concept of random variable and their significance.
Co.3	The Students will also develop their knowledge about the univariate and bi variate probability functions.
Co.4	The Students will also able to deal with the problems of attributes and its application.
Course Title: Course Code: Semester – II	Data analysis using R 1STSSEC201
Co.1	The students will be able to get the knowledge of R programming with some basic notions for developing their own simple programs and visualizing graphics in R.
Co.2	The students will also develop their knowledge about data analysis for both univariate and multivariate data set using R.

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Principal

Department of Sanskrit

Govt. College for Women, Gandhi Nagar, Jammu

Course Outcomes

Course Title Course Code Sem 1st	Sanskrit Poetry 1SKTTCO101
CO 1	यह पाठ्यक्रम छात्रों को संस्कृत काव्य से परिचित करवाता है। यह साहित्य की समझ देने के लिए भी गहन है जिससे छात्र संस्कृत की मूल बातें समझ सकेंगे। पाठ्यक्रम संस्कृत की दक्षता की मदद से छात्रों को स्वतंत्र रूप से पाठ पर बातचीत करने में मदद करना चाहता है।
CO2	उपरोक्त विषय को ध्यान में रखते हुए इस पाठ्यक्रम में महाकवि कालिदास द्वारा रचित रघुवंश, महाकवि माघ द्वारा रचित शिशुपालवध, महाकवि भर्तृहरि द्वारा रचित नीति शतक के प्रमुख श्लोकों का अनुवाद एवं अन्वय सहित व्याख्या, अलंकार एवं छंदों का ज्ञान निहित किया गया है।
Course Title Course Code Sem 1st	Sanskrit Prose 1SKTTCO201
CO1	यह पाठ्यक्रम छात्रों को संस्कृत गद्य साहित्य से परिचित कराने के लिए है। आधुनिक युग के सबसे प्रसिद्ध गद्य में से एक शिवराज विजय को आधुनिक संस्कृत साहित्य की शुरुआत से परिचित कराने के लिए शामिल किया गया है।
CO2	आधुनिक युग के साथ साथ प्राचीन युग के प्रसिद्ध गद्यकार बाण भट्ट द्वारा रचित शुकनासोपदेश गद्य को भी शामिल किया गया है। इसके अतिरिक्त सुबंधु, बाणभट्ट, दंडी, अम्बिकादत्त व्यास जैसे कुछ प्रमुख गद्य कारों का सामान्य ज्ञान भी शामिल किया गया है।
CO3	पंचतंत्र, हितोपदेश की लघु कथाओं के माध्यम से बच्चों कि संस्कृत साहित्य में रुचि बढ़ाने का प्रयास किया गया है।
Course Title: Course Code: Sem 3rd	Sanskrit Drama 1SKTTCO301

CO1	यह पाठ्यक्रम छात्रों को संस्कृत साहित्य के दो सबसे प्रसिद्ध नाटकों से परिचित कराता है जो न केवल काव्य उत्कृष्टता को दर्शाती है बल्कि समकालीन समाज को भी दर्शाती है और मानवीय मूल्यों को उजागर करती ।
CO2	गद्य एवं पद्य की व्याख्या के माध्यम से छात्रों को विश्व प्रसिद्ध महाकवि कालिदास द्वारा रचित अभिज्ञानशकुन्तलम् एवं भास द्वारा रचित प्रतिमा नाटक से अवगत कराया गया है।
CO3	भास, कालिदास, शूद्रक, विशाखा दत्त, हर्ष, भवभूति जैसे नाटक कारों के जीवन एवं उनकी रचनाओं का ज्ञान।
Course Title: Course Code: Sem 3rd	BASIC ELEMENTS OF JYOTISHA 1SKTSE0301
CO1	विद्यार्थियों को ज्योतिष शास्त्र के प्रति रूचि जागृत करने के लिए होडाचक्र पुस्तक को लगाया गया है जिसमें विद्यार्थियों को वार , नक्षत्र, राशि, लग्न , द्वादशभाव, जन्मकुण्डली, विवाह मुहूर्त , नवग्रहों , मांगलिक योग आदि से अवगत करवाया जायेगा ।
Course Title: Course Code: Sem 4th	Sanskrit Grammar 1SKTTC0401
CO1	विद्यार्थियों में संस्कृत भाषा को सुदृढ़ बनाने हेतु पाठ्यक्रम में लघु सिद्धांतकौमुदी को रखा गया है इसके माध्यम से शिव सूत्र , संज्ञा प्रकरण , अच् संधि, हल् संधि, विसर्ग संधि, एवं विभक्ति प्रकरण का सूत्र- वृत्ति , उदाहरण सहित ज्ञान दिया जाता है जिससे छात्र छात्राओं को संस्कृत भाषा में शुद्धता सुस्पष्टता दृष्टिगोचर होगी।
Course Title: Course Code: Sem 4th	Indian Architecture 1SKTSE0401
CO1	विद्यार्थियों को वास्तु शास्त्र के प्रति रूचि जागृत करने के लिए मत्स्य पुराण पुस्तक के अध्याय २५२, २५३, २५५ और २५६ को लगाया गया है जिसमें विद्यार्थियों को वास्तु शास्त्र की परिभाषा , महत्व , वास्तु और ज्योतिष का परस्पर सम्बन्ध आधी विषयों से अवगत करवाया जायेगा ।
Course Title: Course Code: Sem 5th	नाट्य एवं नाट्य शास्त्र 1SKTDE0502
CO1	विद्यार्थियों को स्वप्नवासवदत्तम् नाटक से अवगत करवाना, श्लोकों एवं गद्य भाग की व्याख्या, छंद एवं अलंकारों का ज्ञान, 1-6 अंकों का सार, कथानक, भाषा शैली, रसविवेचन एवं भास की नाटककला से परिचित करवाना, साथ ही रस का लक्षण, भेद, रूपक एवं नायक- नायिका के लक्षणों की जानकारी देना।
Course Title: Course Code: Sem 5th	Basic Elements of Ayurveda 1 SKTSE0501

CO1	प्रयोजनं चास्य स्वस्थस्य स्वास्थ्यरक्षणमातुरस्य विकार प्रशमनं च ।"अर्थात् आयुर्वेद का प्रयोजन स्वस्थ व्यक्ति के स्वास्थ्य की रक्षा करना और रोगी व्यक्ति के रोग को दूर करना है।
CO2	इस हेतु विद्यार्थियों को आयुर्वेद का आज के मानव जीवन में क्या लाभ है से अवगत करवाया जाये ताकि विद्यार्थी अपने सबसे प्राचीन चिकित्सा शास्त्र से वर्तमान युग में आयुर्वेद की शिक्षा प्राप्त कर सकें।
Course Title: Course Code: Sem 5th	Basic study of Sanskrit literature and Grammar 0SKTGENE01
CO1	जिन विद्यार्थियों ने संस्कृत भाषा नहीं पढ़ी है उन छात्र - छात्रों को लौकिक संस्कृत साहित्य से अवगत करवाने के लिए पाठ्यक्रम में रामायण, महाभारत, पुराण, एवं संस्कृत व्याकरण आदि को पाठ्यक्रम में लगाया गया है ताकि विद्यार्थी अपने प्राचीन भारतीय इतिहास से परिचित हो सकें और संस्कृत व्याकरण से अवगत हो सकें।
Course Title: Course Code: Sem 6th	DISCIPLINE SPECIFIC ELECTIVE COURSE
CO1	विद्यार्थियों को प्राचीन संस्कृत साहित्य को पढ़ाने हेतु मनुस्मृति के सप्तम अध्याय को रखा गया है।
CO2	मनु स्मृति के सप्तम अध्याय के 1-100 श्लोक पढ़ाए जाएंगे। इन श्लोकों के माध्यम से छात्र छात्राओं में राजनीतिक, आर्थिक, प्रशासनिक एवं कर्तव्य परायणता जैसे व्यवहार सन्निहित होंगे।
CO3	जिससे समाज में अराजकता, अज्ञानता एवं कर्तव्य परायणता में सुधार होगा। आधुनिक युग में भी इसका ज्ञान प्रासंगिक है।
Course Title: Course Code: Sem 6th	Yogasutra of Patanjali 1SKTSE0601
CO1	समस्त विश्व का जनमानस इस समय एक ऐसी विद्या की खोज में लगा हुआ है जिससे उसको शांति मिल सके और इस कार्य के लिए यह कहना अनुचित न होगा कि भारतीय योग संपूर्ण विश्व के जनमानस के लिए लाभदायक एवं पूर्णतया समर्थ है। यही कारण है कि आज संपूर्ण विश्व में योग के प्रति रुचि दिखाई जा रही है। केवल भारत में ही नहीं अपितु विदेशों में भी आज कई स्थानों पर योग प्रशिक्षण केन्द्र खुले हैं और खुल रहे हैं। "योगश्चित्तवृत्तिनिरोधः" अर्थात् योग से अभिप्राय चित्त वृत्तियों (प्रमाण, विपर्यय आदि) के निरोध से हैं और यह तभी संभव हो सकता है जबकि हम अपने दैनिक जीवन में नियम पूर्वक योग का पालन करें। इसीलिए योग शास्त्र को पाठ्यक्रम में रखा गया ताकि विद्यार्थी योग शास्त्र से अवगत हो सकें।

Course Title: Course Code: Sem 6th	Ethical and moral issues in Sanskrit Literature OSKTGENE02
CO1	विद्यार्थियों को वैदिक साहित्य से परिचित करवाने हेतु पाठ्यक्रम में ऋक्सूक्तसंग्रह को रखा गया ताकि विद्यार्थी सबसे प्राचीन वेदों के ज्ञान से परिचित हो सके साथ ही अग्नि, पुरुष, पृथ्वी आदि सूक्तों का अध्ययन कर सके।

NEBli

Principal

DEPARTMENT OF SOCIAL WORK**GOVT. COLLEGE FOR WOMEN, GANDHI NAGAR, JAMMU****COURSE OUTCOMES**

<p>SEMESTER 1ST</p> <p>COURSE TITLE: UNDERSTANDING SOCIAL WORK PROFESSION</p> <p>COURSE CODE: 1SOWMULDCT01</p> <p>COURSE TYPE: MLDC</p>	<p>COURSE OUTCOMES</p> <p>CO1: Learners will be able to understand Social Work as a profession. CO2: Able to understand various ideologies of Social Work CO3: Able to demonstrate awareness of the values and ethics of the Social Work profession. CO4: Able to understand and differentiates social work and other related professions.</p>
<p>SEMESTER 2ND</p> <p>COURSE TITLE: UNDERSTANDING NGOS</p> <p>COURSE CODE: 1SOWSEC0101</p> <p>COURSE TYPE: SEC</p>	<p>COURSE OUTCOMES</p> <p>CO1: Learners will be able to develop an understanding of developmental Organizations. CO2: Able to understand the role of NGOs in the Development Process. CO3: Able to develop a basic understanding in social entrepreneur skills</p>
<p>SEMESTER 3RD</p> <p>COURSE TITLE: NGOS FORMATION AND MANAGEMENT</p> <p>COURSE CODE: 1SOWSEC0201</p> <p>COURSE TYPE: SEC</p>	<p>COURSE OUTCOMES</p> <p>CO1: Learners will be able to know about the process of NGO formation CO2: Demonstrate knowledge of the regulatory requirements and procedures involved in registering NGOs with relevant governmental bodies CO3: Able to acquire skills and competence in managing NGOs. CO4: Able to develop skills in NGO formation and Management</p>

Department of Sociology
Govt. College for Women, Gandhi Nagar,
Jammu
COURSE OUTCOMES

COURSES UNDER CBCS	
Course Title Course Code Sem 1st	Introduction to Sociology 1SOCTC0101 (Core)
CO 1	Learners will get acquainted with the origin and growth of Sociology as a discipline, its Nature and its scope.
CO2	It will help them to understand and analyse the various sociological perspectives in various social settings.
CO3	It will enhance their knowledge in context to various sociological concepts like status, roles, norms, values and the social groups.
CO4	This will also help them to understand the importance of the relationship between individual and society.
CO5	It will increase their understanding of the importance of the concept of culture, socialization, social control and the social change.
Course Title Course Code Sem 1st	Basic Sociological Concepts 0SOCGENE01 (GENERIC)
CO1	Learners will get acquainted with the basic institutions of society.
CO2	It will help them to analyse the various sociological perspectives, various social institutions as well as social changes.
Course Title: Course Code: Sem 2nd	Sociology of India 1SOCTC0201 (Core-CBCS)
CO1	Learners will be able to comprehend the diversified and basic features of Indian society.
CO2	It will familiarize the students with identities, changes and challenges in Indian society.
CO3	Students will understand the features of rural society and developmental programmes.
Course Title: Course/Cod Sem 3rd	Sociological Theories 1SOCTC0301(Core-CBCS)

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CO1	Learners will be acquainting with history of various sociological theories.
CO2	Students will be able to analyse the contribution of different classical founding fathers of sociology in understanding the society and various social institutions.
CO3	It will help them to apprehend the interconnection and also the variations between the different sociological approaches like Functional, Conflict and Interactionist perspectives.
Course Title: Course Code: Sem 3rd	Gender Sensitization 1SOCSE0302(Skill-CBCS)
CO1	Learners will get an elaboration on the concept of gender, sex, gender identity and gender roles.
CO2	It will enhance their understanding on the social construction of gender through institutions like family, marriage and education.
CO3	It will ensure to enhance their knowledge on gender through various perspectives on gender inequality like radical, socialist and liberal perspective.
CO4	Students will be able to apprehend the interconnection between the gender and various issues related to health, violence and media.
Course Title: Course Code: Sem 3rd	Basic Sociological Concepts 0SOCGENE01(Generic, Chemistry Hons.-CBCS)
CO1	Students will get acquaint with the fundamental concepts of sociology
CO2	It will help them to understand the various sociological perspectives, various social institutions as well as social changes.
Course Title: Course Code: Sem 3rd	Indian Society: Issues and Problems 0SOCGENE03 (Generic, English hons.-CBCS)
CO1	Learners will able to enhance their knowledge about the concept& characteristics of social problems, the various approaches to social problems.
CO2	It will familiarize the students with various forms of social problems like structural, familial, developmental and disorganizational. Students will be able to analyse the various causes, characteristics, impacts and solutions of such social issues.
Course Title: Course Code: Sem 4th	Methods of Sociological Inquiry 1SOCTC0401(Core-CBCS)

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CO1	It will enhance the understanding of students in context to the meaning, characteristics and the significance of social research, the concept of objectivity, hypothesis and sampling.
CO2	It will ensure the students in understanding the various steps in social research, the process of sampling, data collection and the statistical analysis of the data during social research.
Course Title: Course Code: Sem 4th	Current Social Problems 1SOCSE0402 (Skill-CBCS)
CO1	Learners will get acquaint with the meaning, nature and the relativity of various social problems.
CO2	It will enhance their understanding of social problems through various approaches to social problems.
CO3	Students will be able to understand the various forms, causes, impacts and the remedial measures in context to the current social problems.
Course Title: Course Code: Sem 5th	Religion and Society 1SOCDE0501 (Core-CBCS)
CO1	It will acquaint the students with the understanding of religion, study different theories and perspective.
CO2	It will enhance their understanding of the various religions, their characteristic features, and related ideologies.
CO3	Learners will also be able to apprehend the various concepts like communalism, fundamentalism and secularism.
Course Title: Course Code: Sem 5th	Social Institutions in India 1SOCSE0501 (Skill- CBCS)
CO1	Students will learn about the various social institutions like family, marriage, polity, economy and education in India.
CO2	It will sensitize the students about the basic constitution, characteristics, importance and changes within such institutions in the present scenario.
Course Title: Course Code: Sem 5th	Basic Sociological Concepts 0SOCGENE01 (Generic- CBCS)

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CO1	To acquaint the students with the fundamental concepts of sociology.
CO2	To make the students understand the sociological perspectives, various social institutions as well as social changes.
Course Title: Course Code: Sem 6th	Tribal Society in India 1SOCDE0601(Core- CBCS)
CO1	It will enhance their understanding of the meaning, characteristics of tribe, social structure, the interrelation between tribe and clan, tribe and caste.
CO2	The students will be able to understand the classification of the tribal society in terms of race and language. It will enhance their knowledge of the geographical distribution of Indian tribes.
CO3	It will familiarise the students to the socio-economic-religious and political institutions among tribes.
CO4	Students will also be able to understand the various changes in tribal institutions, tribal problems and the government policies for their welfare.
Course Title: Course Code: Sem 6th	Social change, Development and Globalization 1SOCSE0602 (Skill-CBCS)
CO1	Learners will get acquaint with the meaning, characteristics of social change, the concept of urbanization and westernization.
CO2	It will enrich their understanding of the concept of social change through the various theories of social change.
CO3	It will familiarize the students to the various aspects of the development and globalization, Privatization of education.
CO4	Learners will be able to apprehend the various factors of social change like biological, cultural and technological.
Course Title: Course Code: Sem 6th	Indian Society: Issues and Problems 0SOCGENE03(Generic-CBCS)
CO1	Learners will able to enhance their knowledge about the concept& characteristics of social problems, the various approaches to social problems.
CO2	It will familiarize the students with various forms of social problems like structural, familial, developmental and disorganizational. Students will be able to analyse the various causes, characteristics, impacts and solutions of such social issues.

Department of Sociology
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COURSE OUTCOMES

COURSES UNDER NEP	
Course Title: Course Code: Sem 1st	Basic concepts in Sociology 1SOCMJT0101 (Major-NEP)
CO1	Students will be able to learn the Origin, growth, nature as well as the scope of sociology as a discipline.
CO2	It will acquaint the students with the basic concepts, institutions along with the concept of social change and social control.
CO3	It will enhance their understanding of society through the various classical sociological perspectives.
Course Title: Course Code: Sem 1st	Basic concepts in Sociology 1SOCMNT0101 (Minor-NEP)
CO1	Learners will be able to understand the Origin, growth, nature as well as the scope of sociology as a discipline.
CO2	It will acquaint the students with the basic concepts, institutions along with the concept of social change and social control.
CO3	It will able them to understand the functioning of society through the different classical sociological perspectives.
Course Title: Course Code: Sem 1st	Understanding Sociology 1SOCMULDC01 (Multidisciplinary-NEP)
CO1	Learners will get acquaint with the fundamental concepts in sociology.
CO2	It will help students understand the sociological perspectives.
CO3	Students will be able to analyse the relationship of individual and society. Also, it will enhance their understanding of the concept of social change.

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Course Title: Course Code: Sem 2nd	Understanding Sociology 1SOCMULDC01 (Multidisciplinary-NEP)
CO1	Learners will be able to understand the origin, growth, nature and scope of sociology as a discipline.
CO2	It will enhance their understanding of the various basic sociological perspectives.
CO3	Students will be able to understand the concepts like culture, socialization, community, association, society and the social groups.
Course Title: Course Code: Sem 2nd	Society in India 1SOCMJT0201 (Major-NEP)
CO1	Learners will be able to enhance their understanding of the basic features of Indian Society, the concept of unity and diversity, the concept of national integration.
CO2	It will familiarize the students with identities, changes and challenges in Indian Society.
CO3	Students will be able to understand the features of rural as well as urban society. It will enhance their knowledge of the various changes, issues and challenges faced by the rural and the urban society.
Course Title: Course Code: Sem 2nd	Society in India 1SOCMNT0201 (Minor-NEP)
CO1	It will acquaint the students with the basic features of Indian Society, the concept of unity and diversity, and the national integration.
CO2	It will familiarize the students with identities, changes and challenges in Indian society.
CO3	Learners will be able to understand the features of rural as well as urban society. It will help students understand the various changes, issues and challenges faced by the Indian society.

DEPARTMENT OF URDU
Govt College for Women, Gandhi Nagar Jammu

ہیام رشی ہیام لہی، اگ لہر بائے و خانیت، اگنی ہگن، و مچن
بیعشار دو

COURSE OUTCOMES	
Sem/Course/Course Content	Course Outcomes
<p>Semester 1 Core Course Title: دج ہئار نورشن اور مظن Study of modern Urdu prose & poetry. Code: 1URDTCCC01 Credit: 06</p>	<p>ا: و کرمس کے التخریب اطیل منع دج ہی ار نو اش رعی اور رشن کے کبر سے یم اخر طو خادہ اچ الفری احص رکات ہ ب: دج دی ار نو ادب کے ک اش رعی اور ادو ہیں کے کبر سے یم منع احص رکات ہ</p>
<p>Semester 1 SEC Title: اردو ویمکٹ Urdu Computers. Code: 1URDSEC0101 Credit: 02</p>	<p>ا: و کرمس کے التخریب اطیل منع دج ہی انکول ج "ویمکٹ" اور ارشن ٹین ہنداین نیم آے از ہی ہالو کے کبر سے یم اچا کن ری احص رکات ہ.. ب: زم دی ویمکٹ استفوری اور ابر ثوری ہنداین یم ہا و صفا ص ار نو کے و حال ل سے ہا اجیدات کے کبر سے یم اچ الفری احص رکات ہ.. س کے التخریب اطیل منع رقی دنسپرحتکی کے کزری ارشی ہکل اش رعی سے و اتیفق احص رکے تہہ. وزابن ہا بنبدی و قیاد ع سے و اتیفق احص رکے تہہ ج: ار نو رگام یم ہجس ہک ہب ہدیہ رکے تہہ</p>
<p>Semester 1 AECC Title: ہئانسنپ اردو اش رعی زبان اور رگام Study of progressive poetry, language & grammar. Code: 1URDAEC0101 Credit: 03</p>	<p>س کے التخریب اطیل منع رقی دنسپرحتکی کے کزری ارشی ہکل اش رعی سے و اتیفق احص رکے تہہ. وزابن ہا بنبدی و قیاد ع سے و اتیفق احص رکے تہہ ج: ار نو رگام یم ہجس ہک ہب ہدیہ رکے تہہ</p>

<p>Semester 1 Core Course</p> <p>اردو ادیب نیم رٹن اور مظن بہا Title: استخ</p> <p>Study of prose and poetic form in Urdu literature. Code: 1URLTC0101</p> <p>Credit: 06</p>	<p>ا: وکرسے کے التخریب، اطلیل ملع ارنو ادیب، ہا مندنی، اش ر عابن اور رثنی النص قے کے ابر سے یم ابھج اخیص ولعمامت ا ح ل ص ر کائے ہ۔</p> <p>ب: اطلیل ملع اش ر عی اور رثنی النص قے یم رفق رکان اتھکیسے ہ۔</p> <p>و مظن، ہا اندنی، اش ر عابن اور کینکت کے ابر سے یم ا ج لکری ا ح ل ص ر کائے ہ۔</p>
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<p>Semester 1 Urdu Literature MAJOR/MINOR</p> <p>Title:</p> <p>ارنورٹن اور مظن، ہا اڈتسی</p> <p>Study of Urdu prose and poetry.</p> <p>Code: 1URLMJJ0101</p> <p>Credit: 04</p>	<p>ا: وکرسے کے التخریب، اطلیل ملع ارنو ادیب، وکرسے کے اش ر عابن اور رثنی النص قے کے ابر سے یم ابھج اخیص ولعمامت ا ح ل ص ر کائے ہ۔</p> <p>ب: رٹن اور اش ر عی یم اینبدی رفق کے ابر سے یم ملع ا ح ل ص ر کائے ہ۔</p> <p>ج: ارنو اش ر عی کے کز ر م سے یم آے ن ولبر رثنی و ع ش ی النص قے کے ابر سے یم اینبدی و اتیق ا ح ل ص ر کائے ہ۔</p>
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<p>Semester 2 Core Course</p> <p>Title: دج ہرشن اور اشری Study of modern Urdu, prose and poetry.</p> <p>Code: 1URDTCCC01 Credit: 06</p>	<p>ا: وکر مس کے التخریب اطیل ملع وکار نو ادب کے دج دی رشن اور اشری کے رظنم انے مے س آئیہ اح لئص وہبے ہ</p> <p>ب: اطیل ملع دج ہرشن اور رولہ ادب میں ہم ایندی ورفق رکان اٹھکیس ہے؟</p>
<p>Semester 2 AECC</p> <p>Title: تیلد نسب اشری، رگام Study of progressive poetry, grammar and translation. Code: 0URDAECC01 Credit: 04</p>	<p>ا: وکر مس کے التخریب ہ بلطوکار نو داین نیم ریلد نسب رحت کی کے کتحت ہلکار ہنڈا اشری لکا جزئی ہے نیل الو معق اتلمے ہ.</p> <p>ب: ارنور گام کے آسن ایندی البسق سے اعتر فو بیے ن ہم دم ہلے ہ.</p> <p>ج: رنے مچ وک اہمس اح لئص وہبے ہ.</p>

<p>Semester 2 Core Course</p> <p>Title: ارنوال کیکیسز غل study of Urdu classical Ghazal.</p> <p>Code: 1URLTC0201 Credit: 06</p>	<p>ا: وکر مس کے التخریب اطیل ملع وکار نو ادب کے کالکسز غل سے اعتر ف رکان اح لئے ہوج ارنوال دے لکرو ح ہے ہ.</p> <p>ب: اطیل ملع لکا اعتر ف الکیکیسز غل کے ویشراش رعوں ریم، اغیل، ویل، افین، آشت، انفس اور ان وکب ختمز غلوں سے س وہ لے ہ.</p>
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<p>Semester 3 Core Course</p> <p>Title: Study of modern fiction, Novel, Short story.</p> <p>Code: 1URDTCCC02</p> <p>Credit: 06</p>	<p>ا: وکر مس کے کا انتہر پ، ابطعہ دجدی ار نو ال سفونن، ل وولن اور اسفونن، کاد تبلی اواناع کے کابر سے یم ایچ و لعمامت احلص رکے تں یہ۔</p> <p>ب: آزدی کے کد عب اور نیا ذنسب ے کے کدورے کا زولن اور اسفونن کابر سے یم ایچ و لعمامت احلص رکے تں یہ۔</p> <p>ج: ابطعہ، نثر، پر دنج، رکنش دنجر، تمصعات غچینا اور راندنجر هگنسدیی کاد مے سے رو انشس و بے تں یہ۔</p>
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<p>Semester 3 Core Course</p> <p>Title: Origin and development of Urdu language.</p> <p>Code: 1URLTC0301</p> <p>Credit: 06</p>	<p>ا: وکر مس کے کا انتہر پ ابطعہ ار نو زین و کانری س و اتیفق ا ح ل ص رکے تں یہ۔</p> <p>ب: ار نو زین و کاد تباعے سے ار ا ق ت و ک ا ج ب ن کے ک ر ف س ل ا ا ح ب ط ر کے ت نہ۔</p> <p>ج: بے چا ا ج ن کے تیل بہ ہ کار نو زین و ک اسٹرے ہا سست و س اسل ر پ ی لہپ بی انری و تندا شما بہن اور ا ج دنارے ..</p>
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<p>Semester 3 SEC</p> <p>Title: Translation and language skills.</p> <p>Code: 1URLSE0301</p> <p>Credit: 04</p>	<p>ہر پ، ابطعہ ار نو زین یم رنہ مچ و کاد تیمہ کے کابر سے یم انم بس ا ج انری ا ح ل ص رکے ت</p> <p>نہ۔</p> <p>ب: رنہ مچ و کانری اور نو ا د ع کے کابرے نیم آکوہ کے تں یہ۔</p> <p>ج: زین و کاد لیگیں کے کس کس ا جے تں یہ۔</p>
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<p>Semester 4 Core Course Title: دجدی نٹک انول، السفین Study of modern fiction, Novel, Short Story. Code: 1URDTCCC02 Credit: 06</p>	<p>ا: وکرمس کے کا تنخر پ، ابطع دجدی ار نو السفونن، اوولن اور السفونن، کا دبایا انواع کے کا بر سے یم ابھج و لعمامت احلص رکے تن یہ..</p> <p>ب: آزدی کے کد عب کے کز امے ن اور رنٹا دنسپر حت کی کے کد دور کے کا اوولن اور السفونن کے کا بر سے یم و لعمامت احلص رکے تن یہ..</p> <p>ج: ابطع ار نو نٹک سے سٹج سے بس سے ژبے اچر اووم، سنر بہر دنج، رکش دنجر، تمصعانچینا اور رانجر هگنس دیبی، کا ابید خامت سے س و انٹس ویے تنیہ.</p>
<p>Semester 4 Core Course Title: اردو مظن Study of Urdu Nazm. Code: 1URLTC0401 Credit: 06</p>	<p>ا: وکرمس کے کا تنخر پ، ابطع ار نو مظن کے عز و اراقت سے س و افق وہا جے تن یہ..</p> <p>ب: ار نو مظن کے کد تقمر قیلخت اکروں آزد، اھیل، نری اریک آبدی، اریک اہل آبدی سے س ل کونن بہر لکش، ارتخ الامین، ریمای ج، ضیف اور یلع رسد ار فعی وریغہ، کا اب دخامت سے س و افق ویے تن یہ..</p> <p>ج: ار نو مظن کے کا شدنار اراقت، انری زین مظن، نکینکت سے س و اتیفق احلص رکے تن یہ..</p>
<p>Semester 4 SEC Title: زاین اور اہمرت Language and skills. Code: 1URLSE0401 Credit: 04</p>	<p>ا: وکرمس کے کا تنخر پ، ابطع ار نو زاین کے اتیمو افدتی کے کا بر سے یم انم بس اچ انری اھلص رکے تن یہ ب: ار نو زاین کے کد صخمانری لکا اھیط رکے تنیہ</p> <p>ج: ار نو زاین کے کا دلگی کے کل کس اچے تن نیہ</p>

<p>Semester 5 DSE Title: الشہسپس اٹٹس ی آف رمزا اغیل Special study of poet Mirza Ghalib. Code: 1URLDE0502 Credit: 06</p>	<p>ا: وکر مسے کا التفریب ابطعہ ار دوز ابنے ک بیسے س و بشمر اور دسپدی ہ اش ر ع رمزا دس ابلل ا خ ن اغیل دولہی بکار نو اش ر عی ن یم دخامتے ک ابر سے یم ے تہکیر یم . ب : اصنبنیما شلم اغیل : کا اش ر عی تہوتق ابطعہ پہ ی ر ز اسف و ہانے ہک اغیل : بکار نو ادب : کد این الب س ے س تہا چاہیب : بکس اہجس اج انے ہ ؟</p>
<p>Semester 6 SEC Title: بیلخت ادبی اور موع ایبن writing and rhetoric. Creative Code: 1URLSE0601 Credit: 04</p>	<p>ا: وکر مسے کا التفریب ، ا طیل موع ار دو ے کا بک و بشمر اور ا مندنئ ہ انص ق ، ز غل ، اسف ہن ، اول ، اور رثیہتے ک ابر سے یم ہ ی اج لکری اح نص رکتے ہ ہک ہ ی انص ق ے بیک و لکرا ج : ہا نیہ ، ان : کق یلختے ک ے بلن کو عالم : ک رض ورتے ہ ۔ ب : امسے کالع و ہ ، ن تم کڑ پ ے نہا ور امسے : ک ر شتدرے ک ے بل ایتر : ک بئڈ و کینکن الموع : ہبر ف امہ ایک اج ان ے ہ ۔</p>

<p>Semester 6 DSE</p> <p>Title:</p> <p>الشہید اٹنسی آف مہاراجہ فیض آزاد</p> <p>Special study of prose writer</p> <p>Mohammad Hussain Azad. Code:</p> <p>1URLDE0602</p> <p>Credit: 06</p>	<p>اؤکرمس کے اتنفر پہ بلطوکار نو زبن کے بسے ساطو تقر اقد، اشرع، ومضن لڑ، ومرخ اور رثن اگرو مالان دمحم نیسح آزاد کا تریخہ د خامت کے کا برے نیم وار فد قمار نیم اج لتری احلص ویت ہے۔</p> <p>ب: اصنبن نیم آزاد کا تریخہ اکتب "آپ ایحت" اداکی ومضن ابب اشلم ہے، سچ پھرک بلطوکار نو ذیقت کے کرفس کے کا برے نیم و ہب انمیس اکتیہ ا حلص و ہب ہے۔</p>
<p>Semester 6 DSE</p> <p>Title:</p> <p>الشہید اٹنسی آف ریم انم دولہی</p> <p>study of writer Meer Aman Dehlvi. Special</p> <p>Code: 1URLDE0601</p> <p>Credit: 06</p>	<p>اؤکرمس کے اتنفر پہ، ابطعار نو ادب کے بسے س زبے وطنم کے "مق" ابغ و ہب " کے اخقل ریم انم دولہی کا ابب د خامت کے کا برے نیم نہ کیس ہے۔</p> <p>ب: ریم انم دولہی کا ایحت زین ان کے لرک ادبیا کر انوم اور رحترے وں کے کا برے نیم اج لتری ا حلص رکے تے ہے۔</p>

<p>Semester 6 DSE Title: Special study of Short Story Writer Krishan Chandar. Code: 0URDGENE01 Credit: 06</p>	<p>ا: وکر مسے کے اتفر یا بلطعار دو ازوولس اور السفونں کے کد این کے کب سے سے سب سے فنصر کنش دنچر: کز دن کا اور ابی دخامت کے کابر سے یم و ایصفت ولعمامت ا ح ل ص ر کے تے یہ۔ ب: ا ط ب ل و م ل ع و ک ا ا س ف ہ ن ا ک ر ی نیم ر کنش دنچر کے ک ر ک د ا ر کے ک ا ب رے نیم و ایصفت ا ح ل ص و ہ ا ن کے ہ؟ ج: ر کنش دنچر کے ک ا م ن د ن ی ا ا ف ی ل خ ت سے و ا ت ی ق ا ح ل ص و ہ ب رے ہ۔</p>
<p>Semester 6 DSE Title: Special study of short story writer Rajinder Singh Bedi. Code: 0URDGENE02 Credit: 06</p>	<p>ا: وکر مسے کے اتفر یا بلطعار دو ازوولس اور ابکین اور ازول: کد این کے کب سے سے سب سے ا س ف ہ ن ا ک ر ا و ر ا ز و ل ا ک ر ر د ن چ ر ہ گ ن س د ی ب ی: کز دن کا اور ابی دخامت کے ب ر سے یم و ایصفت و لعمامت ا ح ل ص ر کے تے یہ۔ ب: ر د ن چ ر ہ گ ن س د ی ب ی: ک د ن چ ا م ن د ن ہ ا ف ی ل خ ت و ا ف ی ن ص تے س ا ب ل ط ع و ک ا ا ل ی ہ ا ح ل ص و ہ ب رے ہ۔</p>

Rajinder Singh Bedi

Principal

Department of Zoology
Govt. College for Women, Gandhi Nagar, Jammu

Course Outcomes

Course Outcome Number	Course Outcome
Course Title Course Code Sem 1st	Basics in Zoology 1ZOOMJT0101
CO 1	After completion of the course: The students will be able to know and understand the levels of classification system which could be further used to identify animals in real.
CO2	They will be able to explore the variations between living organisms.
Course Title Course Code Sem 1st	Basics in Zoology 1ZOOMNT0101
CO 1	After completion of the course: The students will be able to know and understand the levels of classification system which could be further used to identify animals in real.
CO2	They will be able to explore the variations between living organisms.
Course Title Course Code Sem 1st	Ornamental Fishes and aquarium making-I 1ZOOSEC0101
CO1	After completion of the course: Students will get knowledge on the importance of ornamental fishes in aquarium making.
CO2	The students will be able to know about the different types of locally available fishes, their feeding and fish health measures
CO3	Students will be able to comprehend the aquarium making as a business option as the course will be providing various parameters essential for making and maintaining aquarium.
Course Title Course Code Sem 1st	Wildlife Conservation (Multidisciplinary) 1ZOOMULDC01
CO1	After completion of the course: Students will get general information on biodiversity which is a part of our nature provides information about impact of climate change, hunting and indiscriminate use of natural resources on living beings.
CO2	Students will know about the Biodiversity regulations available to conserve wildlife in their natural environment.

Course Title Course Code Sem 2nd	Cell Biology 1ZOOMJT0201
CO1	The Students will get knowledge about the basic concepts of cell biology along with various cellular functions.
CO2	They will also be able to differentiate between euchromatin and heterochromatin and signal transduction.
CO3	The students will be able to learn about different types of cell organelles, cell cycle, basic principles of cell division.
Course Title Course Code Sem 2nd	Cell Biology 1ZOOMNT0201
CO 1	The students will get knowledge about the basic concepts of cell biology along with various cellular functions. the students will be able to learn about different types of cell organelles , cell cycle, basic principles of cell division.
CO2	They will also be able to differentiate between euchromatin and heterochromatin and signal transduction.
Course Title Course Code Sem 2nd	Ornamental Fishes and aquarium making-II 1ZOOSEC0101
CO1	The students will get aesthetic insight into the ornamental fish culture as well as comprehensive knowledge about the fish transportation which is a crucial factor for their survival.
CO2	The course also takes care of different aspects related to the maintenance of the aquarium.
CO3	By the end of the course the students will be able to comprehend the importance of aquarium making as a business option.
Course Title Course Code Sem 2nd	Wildlife Conservation (Multidisciplinary) 1ZOOMULDC01
CO1	After completion of the course: Students will get general information on biodiversity which is a part of our nature provides information about impact of climate change, hunting and indiscriminate use of natural resources on living beings.
CO2	Students will know about the Biodiversity regulations available to conserve wildlife in their natural environment.
Course Title: Course Code: Sem 3rd	Physiology and Biochemistry 1ZOOTC0301
CO1	The students will learn the functional aspect of different systems in the body.

CO2	The coordination and integration of these systems would help a student develop an understanding of overall functioning of an animal.
CO3	Besides, the inclusion of human reproductive biology in this paper will help the students to recognise the hormonal control in reproduction and timing of ovulation in order to avoid unwanted conceptions and hence help in population control.
Course Title: Course Code: Sem 3rd	Physiology and Biochemistry 1ZOOPC0301
CO1	The students will learn the functional aspect of different systems in the body.
CO2	The coordination and integration of these systems would help a student develop an understanding of overall functioning of an animal.
CO3	Besides, the inclusion of human reproductive biology in this paper will help the students to recognise the hormonal control in reproduction and timing of ovulation in order to avoid unwanted conceptions and hence help in population control.
Course Title Course Code: Sem 3rd	Sericulture 1ZOOSE0302
	Sericulture is playing the agro- Industry role in rural economy of India, providing gain full employment to millions of people, belonging to weaker and marginalised sections of society. To realise the production of silk in India, scientific principles need to be adopted for sericulture.
CO1	This paper will help the students to get equipped with the scientific knowledge of sericulture so that it provides economic benefit to them if they choose it for entrepreneurship.
Course Title: Course Code: Sem 4th	Principles of Genetics and Evolutionary Biology 1ZOOTC0401
CO1	This paper will help the students to understand the principles of genetic underlying the inheritance of characters from parents to offspring and the possible reasons of variations. This paper also deals with the evolutionary biology and population genetics to make students recognise the fact of origin and evolution of species on the basis of evidences.
CO2	This paper will help the students to recognise the fact of origin and evolution of species on the basis of evidences.
Course Title: Course Code: Sem 4th	Principles of Genetics and Evolutionary Biology 1ZOOC0401
CO1	This paper will help the students to understand the principles of genetic underlying the inheritance of characters from parents to offspring and the possible reasons of variations. This paper also deals with the evolutionary biology and population genetics

	to make students recognise the fact of origin and evolution of species on the basis of evidences.
CO2	This paper will help the students to recognise the fact of origin and evolution of species on the basis of evidences.
Course Title: Course Code: Sem 4th	Physical Anthropology 1ZOOSE0401
	Anthropology shares frontiers with the natural sciences, social sciences and humanities, or to be precise, it synthesises the knowledge in order to understand Man as a species and his dynamic world
CO1	This course will help the students to learn about the concept of human origins, human variations, human nature and human creations as evolved historically.
Course Title: Course Code: Sem 5th	Insect vectors and diseases. 1ZOODE0502
CO1	The course will help the students to study insect vectors, their morphology, their relationship with host and their control assumes great significance in preventing the spread of infectious diseases.
CO2	The paper is designed to help a student to gain knowledge of the vectors and some important diseases spread by them to adopt a pro-active approach in their control.
Course Title: Course Code: Sem 5th	Insect vectors and diseases. 1ZOODP0502
CO1	The course will help the students to study insect vectors, their morphology, their relationship with host and their control assumes great significance in preventing the spread of infectious diseases.
CO2	The paper is designed to help a student to gain knowledge of the vectors and some important diseases spread by them to adopt a pro-active approach in their control.
Course Title: Course Code: Sem 5th	Public Health and Hygiene 1ZOOSE0501
CO1	This paper aims at helping the students to understand the importance of health care through the knowledge related to public health issues that mainly are due to diet, environment, communicable diseases and social problems.
CO2	The objective is to enable the students to work for the cause of human health through NGOs or self help groups.
Course Title: Course Code: Sem 6th	Applied Zoology 1ZOODE0601

CO1	The intent of including Applied Zoology at UG level is to equip students with specialized knowledge, enabling them to choose entrepreneurship as their career.
CO2	The paper also contains animal biotechnology section to encourage students to pursue research in the field of livestock animals, agriculture, and aquaculture.
Course Title: Course Code Sem 6th	Applied Zoology 1ZOODP0601
CO1	The intent of including Applied Zoology at UG level is to equip students with specialized knowledge, enabling them to choose entrepreneurship as their career.
CO2	The paper also contains animal biotechnology section to encourage students to pursue research in the field of livestock animals, agriculture, and aquaculture.
Course Title: Course Code Sem 6th	Poultry Farming 1ZOOSE0601
	Poultry is the second most widely eaten meat type globally. Because of the increasing demand for this form of animal protein, the backyard poultry keeping has got replaced by intensive rearing, leading to the development of the poultry industry.
CO1	The paper is designed to equip a student with the scientific knowledge of poultry breeds and their rearing along scientific lines. This knowledge can prove to be of great practical help to students who plan to choose poultry keeping as a career option

HEB

Principal