

PROGRAMME OFFERED AT GOVT. COLLEGE FOR WOMEN UDHAMPUR

Bachelor of Science (B.Sc.)

This particular programme is meant to render the knowledge base of the students more inclusive which is something advanced than the senior secondary level. Students develop proficiency in comprehension of flora and fauna of the biosphere. Besides, they also tend to learn various physical phenomena, programming, knowledge about earth and linguistic skills. On the corollary the student may pursue in masters degree in any one of the disciplines offered in the programme. Generally speaking, any of students who complete his degree with the required courses is eligible to appear in UPSC, JKPSC, PSCs of other States and other graduate level exams. Students who study Botany and Zoology as constitutive courses may apply for various jobs in the department of forest, J&K Government and other departments of State as well as Union Government. Students who opt for computer applications may get job as programme designer, website designer, data analyst and computer operator in public as well as private sector.

This programme is offered with following courses as constitutive subjects:

1. Physics
2. Chemistry
3. Botany
4. Zoology
5. Mathematics
6. Geography
7. Computer Applications
8. Functional English

Bachelor of Arts (B.A.)

The given programme offers an opportunity for the students to get the knowledge of social sciences, behavioural sciences and humanities which constitutes the integral part of our knowledge base and also instrumental in rendering our life outcomes better. Students who complete this programme can further pursue masters in the concerned/related discipline. They can also compete for civil services examinations of different states as well as central government services. Particularly, who come from economics background can join the department of Planning both in state as well as central government (IES). Also, students opting history and education can also pursue studies in archives management and professional course of teaching respectively. Moreover, those who have a certain aptitude in languages can be employed as translators in various public as well as private fields.

This programme is offered with following courses as constitutive subjects:

1. Economics

This programme is offered with following courses as constitutive subjects:

1. Economics
2. Education
3. English Literature
4. Computer Applications
5. History
6. Geography
7. Mathematics
8. Computer Applications
9. Functional English
10. Hindi/Urdu/Dogri/Punjabi
11. Music
12. Sanskrit
13. Philosophy
14. Political Science
15. Sociology
16. EVS

Bachelor of Commerce (B.Com)

The programme in question offers the wisdom related to corporate world particular chartered accountancy, finance, banking and insurance, foreign trade, economics and allied fields. Students who obtain proficiency in the above fields may settle themselves as chartered accountants, civil servant through Indian Economic Services and state governments, bankers, stock brokers, company secretaries, loan executives, individual entrepreneurs, human resource managers and any other graduate level job.

Bachelor of Computer Applications (B.C.A)

One who is well versed in the constitutive courses of the above programme can pursue higher studies in the related/concerned fields. From the employability perspective she could be a webpage/website designer, programmer/software/application developer, individual entrepreneur, system/server/database/IT infrastructure administrator.

Courses Outcomes

Course Outcome of Botany

SEMESTER	COURSE CODE	COURSE TITLE	NATURE OF COURSE	COURSE OUTCOME
1 st	UBOTC 101	Diversity of Microbes and cryptogams	CORE	To enrich the student's with deep knowledge about different groups of plants in respect to diversity study detailed structure, reproduction, and life cycles of virus, bacteria, thalophytes and pteridophytes.
1 st	UBOPC 102	Diversity of Microbes and Cryptogams (Practical)	PRACTICAL	In the lab they originally see and study the different groups of plants and able to differentiate.
2 nd	UBOTC 201	Characteristics and Systematics of seed plants.	CORE	To gain a knowledge about seed bearing plants and study of Gymnosperms, taxonomy of angiosperms including classification and morphology.
2 nd	UBOPC 202	Characteristics and systematic of seed plants.	PRACTICAL	
3 rd	UBOTC 301	Plant Anatomy, Embryology and Ecology.	CORE	To impart a knowledge about Anatomy, Embryology, and Environmental issues viz global warming, climate change and soil conservation.
3 rd	UBOPC 302	Plant Anatomy, Embryology and Ecology.	PRACTICAL	To study the detailed internal structure of various parts of plants.
3 rd	UBOTS 303	Nursery, Gardening, and Floriculture	SEC	To enhance the skill of students how to prepare nurseries, gardens and floriculture.
4 th	UB0TC401	Plant Physiology and Metabolism	Core	Enable the students about various physiological processes operating in plant and their metabolism
4 th	UB0TC402	Plant Physiology and Metabolism	Practical	Learns the various physiological processes, enzymes and metabolism.
4 th	UB0TC403	Ethnobotany	SEC	Get equipped with the students with traditional uses of the plants with special focus on medicinal plants.
5 th	UB0TC501	Cell Biology and	DSE	Get imparted with the

		Genetics		knowledge of cell biology and genetics
5 th	UB0TC503	Mushroom Cultivation Technology	SEC	Enable the students to learn the skill of cultivating mushroom and thereby enhancing the entrepreneurship skills.
6 th	UB0TC601	Economic Botany and Biotechnology	DSE	Students get to know about the economic aspects and uses of plants in economic gain.
6 th	UB0TC602	Economic Botany and Biotechnology	Practical	Knows to identify economic importance of plants and also learns about the part of a given plant which is of utility.
6 th	UB0TC603	Biofertilizers	SEC	Gets to know about biofertilizers which are good and raise production

Course Outcome of Chemistry

Sem.	CourseNumber	CourseTitle	Nature of Course	Course outcome
I	UCHTC101	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	C	Students learn Fundamental principles of states of atom, measurement, matter, atomic theory, chemical periodicity, chemical bonding, general chemical reactivity. Rules for filling electrons in various orbitals and fundamentals for both ionic and covalent compounds, Predicting geometries of simple molecules.
	UCHPC102	Laboratory Course: Chemistry-I	C	To develop skills for quantitative estimation using the different branches of volumetric Analysis and To develop skills required for the qualitative analysis of organic compounds and also be able to separate mixtures using chromatographic techniques.
II	UCHTC201	Chemical Energetics, Equilibria & Functional Organic Chemistry	C	Students are expected to apply their knowledge to problem-solve, deduce structures, and synthesize simple organic molecules using the studied reactions. Relationships between organic chemistry and other disciplines are noted

	UCHPC202	Laboratory Course: Chemistry-II	C	To be able to perform pH measurements and prepare buffer solutions, understand thermo chemistry and its use for determination of different enthalpies. To learn the separation, purification, crystallization and re-crystallization of an organic mixture/compound by chemical/solvent separation methods. Understand mechanism of rxn's involved and determination of melting o point and calculation of quantitative yield.
III	UCHTC301	Solutions, Phase Equilibrium, Conductance, Electrochemistry & Functional Group Organic Chemistry	C	Discusses thermodynamics of Ideal solutions (Raoult's law), effect on partial miscibility and critical solution temperature, gibbs phase rule in phase equilibrium and phase diagram of one and two component systems. Conductance of different electrolytic solutions by determining degree of dissociation. Preparation and reactions of carboxylic acids, their derivatives and amines and diazonium salts.
	UCHPC302	Laboratory Course: Chemistry-III	C	To be able to study equilibrium by distribution method and also find out the CST of phenol-water system and effect on CST by impurities and temp. To be able to find out cell constant and perform conductometric and potentiometric titrations.
	UCHTS303	Cosmetics, Perfumes and Medicinal Agents from Natural Sources (Skill Enhancement Course)	SEC	Key ingredients used in cosmetics and cosmeceuticals. Key building blocks for various formulations. Various key ingredients and basic Scientific knowledge to develop cosmetics and cosmeceuticals with desired Safety, stability, and efficacy. Discusses systems of classification, merits and demerits of natural origin drugs.
IV	UCHTC401	Coordination Chemistry, States Of Matter & Chemical Kinetics	C	To be able to describe VBT, shapes and structures of coordination complexes with coordination numbers 4 and 6, use Crystal Field Theory and Jahn Teller distortion in coordination complexes. Discusses reaction rates, theories of reaction rates and order of a reaction.

	UCHPC402	Laboratory Course: Chemistry-IV	C	To be able to analyse metallic ions by complexometric titration and also determine concentration of ions using flame photometry. To be able to analyse ions using H ₂ S of mixtures through semi-micro qualitative analysis. Enable the students to estimate the binary mixtures of metallic ions by volumetric and gravimetric methods. Measure surface tension and viscosity with out the use of organic solvents.
	UCHTS403	Pesticide Chemistry (Skill Enhancement Course)	SEC	Discuss different types of pesticides with their structure, synthesis, uses and present status.
V	UCHTE501	Spectroscopy, Photochemistry and Organometallics and Bioinorganic Chemistry	DSE	Enables students to understand principles of different spectroscopic techniques, use of light for different chemical processes. Students will also gain an understanding of the bonding models, structures, reactivity's, and applications of coordination complexes, metal carbonyls, organometallics and also the role of different metal ions in biological systems.
	UCHPE502	Laboratory Course: Chemistry-V	DSE	Experience in some scientific methods employed in basic and applied physical chemistry and their use for knowing the concentration of unknown in a solution.
	UCHTS503	Fuel Chemistry (Skill Enhancement Course)	SEC	Review and classification of energy sources (coal, petroleum and lubricants). Composition, refining, properties and applications.
VI	UCHTE601	Inorganic Materials of Industrial Importance and Organic Spectroscopy	DSE	Designed to provide graduates with the skills, knowledge and learning tools required to carry out professional research, development and production activities in the field of chemistry, including the following sectors: agriculture, electronics and defence. Enables students to understand spectroscopy and learn use of nuclear magnetic resonance spectroscopy, for organic structure elucidation.
	UCHPE602	Laboratory Course: Chemistry-VI	DSE	Developing skills for green synthesis and awaring students about importance of non-conventional energy sources and solvent free synthesis in green chemistry.

UCHTS603	Green Methods in Chemistry	SEC	Explain the need and principles of Green Chemistry, importance of green synthesis and green catalyst.
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C = Core Course; DSE = Discipline Specific Elective Course; SEC = Skill Enhancement Course

Course Outcome of Commerce

Semester	Course Name	Course Code	Objective /Nature of Course	Course Outcomes
B.COM I	Financial Accounting	UBCTC -101	To impart conceptual knowledge of financial accounting and also skill for recording business transactions.	Students will be able to analyse financial data to support business decisions and assessment of business decisions.
	Business Organisation and Management	UBCTC-102	The basic objective of this course is to provide fundamental knowledge about business management and organization.	Students will be able to understand the theoretical and practical aspects of the operation of the various types of business organizations.
B.COM II	Advanced Financial Accounting	UBCTC-211	To provide the students with a detailed knowledge of accounting principles, concepts, techniques and their application to develop an ability and skills in practical work situation.	Students will be able to assess a financial situation, identify issues and alternatives, and provide a recommendation using advanced accounting knowledge and ethical professional judgment.
	Contemporary Management	UBCTC-212	The basic objective of this course is to provide knowledge about contemporary issues in the business management & organization.	Students will become familiar with contemporary concepts and tools related to current strategic management theory and practice.
B.COM III	Fundamental of Business Communication	UBCTC-301	To impart knowledge about basic communication to enable the students to think, observe and express effectively in this competitive world.	This course will make the students conversant with the basic forms, formats and techniques of business writing so that they will be thoroughly prepared to take part in real-world business fields.

	Corporate Accounting	UBCTC-302	To impart basic knowledge of various aspects of accounting of corporate world.	Students will develop an understanding of the accounting requirements for a corporate group and familiarity with the theory underlying the methods used to account for inter-company investments.
	Indian Contract Act	UBCTC-303	To provide knowledge about Indian Contract Act.	Students will understand the various legal terms related to the Indian Contract Act.
	Entrepreneurship for Small Business	UBCTS-307	To provide exposure to the students regarding entrepreneurial culture so that they can manage their own small units.	Students will be able to define, identify and/or apply the principles of entrepreneurial management and growth through strategic plans, consulting projects and/or implementing their own businesses.
B.COM IV	Business Communication Skill and Development	UBCTC-401	To develop the communication skill of students in business world.	This course will make the students familiar with the basic forms, formats and techniques of business writing so that they will be comprehensively prepared to take part in real-world business arena.
	Direct Tax Laws	UBCTC-402	To provide knowledge of basic concepts and practice of income tax to the students.	Students will understand the basic principles underlying the provisions of direct tax laws and to develop a broad understanding of the tax laws and accepted tax practices.
	Corporate Laws	UBCTC-403	To provide the knowledge of concepts of corporate laws to the students.	Students will get insights about how corporations are registered and administered.
	Customer Relationship Management	UBCTS-408	To impart the basic knowledge of the customer relationship management and e-CRM.	Students will develop an understanding about customer relationship management concepts and frameworks, and how these are applied to form relationships with customers and other internal and external stakeholders
B.COM V	Cost Accounting	UBCTS-501	To familiarize and acquaint the student with application of cost accounting techniques.	Students will become to use cost accounting for business decision making and performance evaluation.
	Fundamentals of Marketing	UBCTE-505	The objective of this course is to facilitate understanding of the conceptual framework of marketing and its applications in decision making under various environmental constraints.	Students will get the understand marketing planning and can develop marketing strategies. This course will also provide the foundations for further study in marketing.

	Statistics for Managers	UBCTE-508	To develop an understanding of the basic statistical tools and their application in business, finance and economics.	Students will be able to produce appropriate graphical and numerical descriptive statistics for different type of quantitative data related to business operations.
	Public Finance	UBCTE-510	To develop an understanding of the basic statistical tools and their application in business, finance and economics.	Students will understand the main concepts of Public finance, the role of the state in the economy, public expenditure and public debt, policy of taxation and income redistribution.
B.COM VI	Management Accounting	UBCTS-601	To impart knowledge about the use of financial, cost and other data for the purpose of managerial planning, control and decision making.	Student will acquire the knowledge and skills relating to the application of <i>management accounting</i> concepts and techniques for business decisions.
	Business Environment	UBCTE-603	To expose the students to various environment factors related to the business and to develop the skill required to take better business decision at right time.	Students will gain knowledge of the environment in which businesses operate, the economic, operational and financial framework.
	Financial Management	UBCTE-606	To provide basic knowledge of concept, principles and practices of financial management.	Students will develop critical thinking and problem solving competencies, at both the individual and group levels, of financial statement analysis, financial planning, principles of valuation, capital budgeting, capital structure and issues in financial policy.
	Sales Management	UBCTE-610	To train students in the methods of sales management and to provide knowledge about the basic functions of sales force management.	Students will able to describe and formulate strategies to effectively manage company's sales operations.

Course Outcomes of Dogri

Semester	Course Code	Course Title	Course Out Comes
1 st	UDGTC 101	Dogri Core	The students will be able to recognize poetry from a variety of cultures, Languages and historic period and students understanding of the human conditions to convey personal, social and cultural meaning through drama.
	UDGTS 101	Dogri Bhasha	The Students will be able to know the various methods to the study of language and understand the communication process and method.
2 nd	UDGTC201	Dogri core	Essay may help motivates students to know the about the dogra cultural heritages social issue and so many other topic. Reading novel offers students the opportunity to develop wisdom.
	UDGTS201	Bhasha Te lippi	Students will be able to understand be languages origin and development of dogri.
3 rd	UDGTC301	Dogri Poetry	Students will be able to know the information about the history of literature and poetry develop the student power of imagination.
	UDGTS302	Translation	Student good gain the knowledge about the translation in literature and other problems related to translation.
4 th	UDGTC401	Dogri Short Story	Student will be able to understand the thought of writers, story elements and student gain knowledge about the development of dogri short stories.
	UDGTS402	Journalism	Students will be able to write a variety of mass media, products, including news stories, press releases and advertising copy following accepted journalist standards including associated press style.
5 th	UDGT501	Dogri Dhawani Vichar	Students will be able to understand the linguistics as a scientific discipline and learn about dogri phonetics.

	UDGTS502	Dogri Bhasha Shikshan	Student will be able to understand reading, writing, listening and communication skills.
	UDGTE503	Duggar Sanskriti	Student will get the knowledge about dogra cultural (Custom, Tradition, Lifestyle, Belief etc).
	UDGTE505	Dogri Lok Sahitya	Student would be acquainted with the concept folk literature and to know the co relations between folk literature and its other branches.
6 TH	UDGTS601	Dogri Vakaya Vishleshan	The student will be able to know about the classification basic clause type in dogri language.
	UDGTS602	Rachnatmak Lekhan	Student will be able to analyses and critique the quality of literally generals and presses , as well as the work of particular writes .
	UDGTE603	Dogri Sonnet te Natak	Student will be able to know about the life history of poet and understand the feeling in soonet. <u>Drama</u> Student will learn to comprehend and analyze historical movements in dramatic literature.
	UDGTE605	Dogri Katha Sahitya	Student will be able to examine short stories and novel analytically and interpretively to identify and analyze literary elements the plot, character, theme, style, symbol, metaphor and image.

DEPARTMENT OF ECONOMICS

Semester	Course code	Course title	Course outcomes
1 st	UECTC :101	Principles of Microeconomics1	Students will able to understand core area of economics known as microeconomics. It considers the consumer and producers behaviours in the economy and students will able to understand the problem of how best to allocate society's scarce resources.

2 nd	UECTC:201	Principles of Microeconomics 2	Students will be able to understand the way in which various decision-making units in the economy (Individual and Firm) make their consumption and production decisions and how these decisions are coordinated.
3 rd	UECTC:301	Principles of Macroeconomics 1	Students will be able to understand the difference between microeconomics and macroeconomics variables. They will be able to understand national output of a country. It allows students to understand the process by which the levels of economic activity, employment and rate of interest are jointly determined and how income affects consumption of the individual.
4 th	UECTC:401	Principles of Macroeconomics 2	This subject allows students to understand what is inflation and what is its relation with employment in the economy. The students will also be able to understand how the economy will attain equilibrium in the money market.
5 th	UECTE:501	Money and Banking	It helps students to understand the evolution of money and what is the relation between the quantity of money and the value of money. Also, the framework is used to examine how policies set by the central bank and government affect the economy. It also allows students to understand the meaning and functions of a commercial bank.
6 th	UECTE:601	Quantitative Methods in Economics	Understand and use statistical techniques to solve the problem in economics such as profit maximization by a firm etc. How inflation is measured in the economy and also students will be able to understand the correlation between different economic variables by using these techniques.
5 th	NCBCS	Money, Banking, Public Finance and International Trade	Students will be able to understand the meaning and functions of central banks and commercial banks. Also, they will understand about what is the importance of money to develop an economy. This course also allows students to understand what international trade is and how it impacts producers and consumers of the country.
6 th	NCBCS	Development Economics	Students will be able to understand fiscal, economic and social conditions in underdeveloped countries. PQLI and HDI are considered.

			factors such as health, education. Other theories of economic development allowing students to understand economic growth from traditional society to modernization. Students will also be able to understand what is the need of planning and methodology of economic planning.
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COURSE OUTCOMES OF EDUCATION

SEMESTER	COURSE CODE	COURSE TITLE	COURSE OUTCOME
1	UEDTC 101	Education and Society	<p>It will help in comprehensive evolution of fundamentals of education- as a discipline- among the students.</p> <p>It will help in development of scientific reasoning among the students which shall in turn engender Critical thinking and Problem solving by investigating the problems through different perspectives.</p> <p>It will help in increasing the information and knowledge about different aspects of the society and examine the ethical responsibilities and the dynamic role of individuals and active citizens in society which in turn equip him /her with the different challenges of life.</p> <p>It will help the Students to develop skills and employ strategies to self- manage their personal, academic, and career goals and to cooperate, collaborate, and interact successfully within groups and with a variety of cultures, peoples, and situations.</p>
2	UEDTC 201	Educational Psychology and Statistics	<p>It will enable the students to understand the meaning and relationship between education and psychology.</p> <p>It acquaint the students with the use of statistics in educational situations and develop skills of graphic representations.</p>
3	UEDTC 301	Education in Modern India	<p>It will abreast the students about the stages of development of education through elementary level to Higher education level with various initiatives of the Govt. of India.</p> <p>It will provide the understanding of various issues like Women Education, Population Education, Adult Education Distance education and educational technology and evolving and expanding nature of education covering different dimensions of society with interface with evolving information technology.</p> <p>Help to understand the concepts and relevance of Teacher Education, Evaluation, Assessment and Certification in quality education.</p>

3	UEDTS 302	Skill Enhancement Course Guidance and counselling	<p>Enable the students to understand the concepts and differences between guidance and counselling.</p> <p>Acquaint them with the guidance and counselling services</p>
4	UEDTC 401	Psychological formation of Education	Aware the students to understand the stages of growth and development, concept of personality and methods of studying human behaviour.
5	UEDTE 501	Principles and issues of education	<p>It shall sharpen the understanding of the discipline through different perspectives.</p> <p>It shall enrich the knowledge base through the blend of different philosophies sharpening knowledge base of the students.</p> <p>Abreast the students about the works of different educational thinker's thereby evolving research based thinking.</p> <p>. Appraise the students with major issues in education and using their knowledge to find solution thereof.</p> <p>Aware the students about the recent trends in Education and increase their analytic skills</p>
6	UEDTC 601	Development of Educational system in India	It enables the students to understand the britishers influence on Indian education, growth and development of education in post independence era and new educational policy and programme of action.

<u>B.A SEM</u> <u>5TH</u>	<u>COURSE NO</u> <u>UEDTS 502</u>	Skill Enhancement Course In Education SPECIAL EDUCATION	<p>To enable the students to understand the nature of Special Education'</p> <p>To make students understand the concept and types of different types of special childrens</p>
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B.A SEM 5TH	COURSE NO UEDGE 503	Generic Course in Education BASICS OF EDUCATION	To enable the students to understand the basic concept of education and its general functions.
B.A SEM 5TH NON CBCS	COURSE NO ED-501	Principles and issues of Education	<ul style="list-style-type: none"> Appraise the students with major issues in education and using their knowledge to find solution thereof. <p>Aware the students about the recent trends in Education and increase their analytic skills</p>
B.A SEM 6TH NON CBCS	ED-601	Development of educational system in Education	It enables the students to understand the britishers influence on Indian education, growth and development of education in post independence era and new educational policy and programme of action.

Course Outcome of Geography

B.A./B.Sc. semester I(Geography) Course Code/No. : UGOTC-101(Theory Core)

Objective: To introduce the latest concept of physical geography, essentially geomorphology to the students in brief.

Title	Course/ Name of the Title	Course Outcomes
Physical Geography	Introduction to Geography	To know nature and scope of geography, history of Geography.
	Introduction to Geomorphology	Evolution & development of landforms, phenomena related to plate tectonics like volcano, earthquakes, landslides, avalanches, Folding & Faulting.
	Theories of origin of the Earth	Various theories of origin of the earth given by Kant, Laplace, chamberlin.
	cycle of Erosion and landforms	Landforms formed by different agents like rivers, glaciers, winds, etc

B.A./B.Sc. semester I(Geography)

Course Code/No. : UGOPE-102(Practical Core)

Title	Course/ Name of the Title	Course Outcomes
Cartography	Introduction to Cartography	Introduction nature and scope of cartography, history of cartography
	Types of Maps, Scale and types	maps, classification types, history of map making, scale and types of scales
	Representation of relief features, Contures	Qualitative and quantitative methods of representation of relief features, contours
	Profiles	Significance of profile. Method of drawing profiles, types of profiles

B.A./B.Sc. semester III(Geography)

Course Code/No. : UGOTC-301(Theory Core)

Objective: To introduce the latest concepts in physical geography especially in climatology and oceanography.

Title	Course/ Name of the Title	Course Outcomes
Climatology & Oceanography	Introduction to climatology and oceanography	Introduction and basic concepts of climatology and oceanography
	Atmospheric Phenomena and disturbances	Atmospheric phenomena like air mass, cyclones, winds, types of winds, monsoons phenomena
	Introduction to oceanography	Oceanography, introduction to ocean relief, structure of ocean floor
	Ocean Phenomena, currents, tides, Global warming	Currents, types of currents, basic concepts of movement of currents, distribution of currents etc.

B.A./B.Sc. semester III Geography)

Course Code/No. : UGOPC-302(Practical Core)

Title	Course/ Name of the Title	Course Outcomes
Map Projections	Introduction of Map, Globe and Map projections	To know the difference between map and globe and need of map projection.
	General principles of map projection	Student will have knowledge about principles to reduce errors in projection.
	Choice of map projection	Choice of projection depending on areas to be shown on map.

Title	Course/ Name of the Title	Course Outcomes
	Types of map projection	Types of map projection based on method of construction, purpose, use of light etc

B.A./B.Sc. semester III(Geography) Course Code/No. : UGOPS-303(Skill Enhancement)

Objective: To train students in manual and computer cartography skills.

Title	Course/ Name of the Title	Course Outcomes
Cartography	Introduction to Cartography	Introduction nature and scope of cartography, history of cartography
	Types of Maps, Scale and types	maps, classification types, history of map making, scale and types of scales
	Representation of Maps	Qualitative and quantitative methods of representation of relief features, contours
	Graphical Representation	Drawing of different Graphs and their relevance and use in daily life

B.A./B.Sc. semester V(Geography) Course Code/No. : UGOTE-301(Theory Core)

Objective: To introduce the latest concepts in human geography and aware the students about the importance of human resources for the welfare of societies.

Title	Course/ Name of the Title	Course Outcomes
Human Geography	introduction to human geography	Introduction to origin and need of human geography, nature and scope of human geography, History of origin of human geography
	Population distribution, Dynamics of demography	Aspects of population distribution, birth rate, death rate, sex ratio etc.
	settlement geography,	Theories of settlement Geography, site and situation for settlement geography, urban and rural geography
	Theories of Demographic Transition,	Dynamics and theories of demographic transition given by Karl Marx, Notestein etc.

B.A./B.Sc. semester V(Geography) Course Code/No. : UGOPC-502(Practical Core)

Title	Course/ Name of the Title	Course Outcomes
Map Projections	Introduction of Map, Globe and Map projections	To know the difference between map and globe and need of map projection.
	General principles of map projection	Student will have knowledge about principles to reduce errors in projection.

Title	Course/ Name of the Title	Course Outcomes
	Choice of map projection	Choice of projection depending on areas to be shown on map.
	Types of map projection	Types of map projection based on method of construction, purpose, use of light etc

B.A./B.Sc. semester V(Geography). Course Code/No. : UGOPS-503(Skill Enhancement)

Objective: to aware the students in geography of tourism.

Title	Course/ Name of the Title	Course Outcomes
Geography of Tourism	Concept of Geography of Tourism	introduction to geography of tourism and tourism scenario,
	Types of Tourism	Natural tourism, pilgrimage tourism, medical tourism, ecotourism
	Recent Trends in Geography of Tourism	Development of tourism, ecotourism,
	Tourism in J&K and India	Tourism destination and economic contribution by tourism in J&k and India

B.A./B.Sc. semester V(Geography). Course Code/No. : UGOPS-504(Generic Elective)

Objective: To introduce the latest concepts of physical geography essentially geomorphology.

Title	Course/ Name of the Title	Course Outcomes
Physical Geography	Origin of earth	Theories of origin or earth by Laplace, Kant and Chamberlin, Big Bang theory etc.
	Rocks and soil	Types of rocks, process of formation of soil, process of formation of rocks, Rock cycle
	Atmosphere and its dynamics	Introduction to structure and composition of atmosphere, disturbances in atmosphere
	Natural hazards and disaster, vegetation and soil	Global warming, landslides mitigation and management,

Course Outcome of History

Semester	Course Code	Course Title	Nature of Course	Course Outcomes
1st	UHSTC-101	ANCIENT INDIA	CORE	Understanding political, social, economic, and religious developments from rise of Vedic civilization up to reign of Harshvardhana.
2nd	UHSTC201	EARLY MEDIEVAL INDIA	CORE	Understanding foundation of Delhi Sultanate and Sultanate administration.
3rd	UHSTC301	MODERN INDIA	CORE	Evaluate the establishment, consolidation and administrative development under British rule. Understanding the socio-religious reform movement in nineteenth century and the national movement from foundation of Congress to attainment of freedom.
3rd	UHSTS302	HISTORY AND TOURISM	SEC	Highlighting significance of Tourism from viewpoint of Historical and Cultural heritage and Understanding tangible and intangible heritage.
4th	UHSTC401	HISTORY OF JAMMU AND KASHMIR	CORE	Understanding the regional history of J&K with special reference to ruling dynasties of Jammu and Kashmir and important rulers. Foundation of Dogra dynasty in J&K under Maharaja Gulab Singh, it's expansion and socio-religious, political and economic developments under Maharaja Gulab Singh to Maharaja Hari Singh.
4th	UHSTS402	AN INTRODUCTION TO ARCHAEOLOGY	SEC	Promoting the education of archaeology in public and understanding various kinds of archaeology and excavation methods, evaluating important archaeological sites.
5th	UHTTS-501	Archives and Museums	SEC	Understanding the nature of records and role of archives in society. Highlighting archival selection, arrangement, description, reference, outreach, and preservation as well as trends in archival management. Information about modern museum studies and understanding functions of museums.
5th	UHTTE-502	History of Modern Europe Till 1870	DSE	Understanding important movements in Europe like Renaissance, Reformation, Counter reformation, as well as revolutions like French revolution and consequent rise and fall of Napoleon and Industrial Revolution. Evaluating unification of Italy and Germany.
5th	UHTTE-503	The History of India from Earliest Times	GENERIC	Understanding Pre historical and Proto historical developments of the past and

		Upto 300 C.E.		evaluating social, political, religious, and economic developments from rise of Indus valley civilization to Harsha's reign.
6th	UHTTS-601	Popular Culture	SEC	To become familiar with debates in field of cultural studies and understand written and oral communication and see how popular culture potentially impacts audiences.
6th	UHTTE-602	Modern World 1860 to 1945	DSE	Understanding relations between Germany, France, Russia and England from 1860 to 1945, Genesis and results of Russian revolution, Causes and consequences of two World Wars and rise of nationalism in China, Japan, and Turkey.
6th	UHTTE-603	The History of India from 1707 to 1950 C.E.	GENERIC	Understanding 18 th century with respect to Independent states and establishment of colonial power, Causes, Nature, and results of revolt of 1857, Socio-religious reform movements in 19 th century, emergence and growth of nationalism and attainment of freedom.

Course Outcome of Mathematics

Semester	Course No.	Title	Credits	Nature of course	Course Outcomes
I	UMTTC101	DIFFERENTIAL CALCULUS	06	CORE	Students acquire the knowledge of limits, continuity, rate of change, successive differentiation, partial derivatives, maxima/minima of several variables, topics required to trace curves in Cartesian/polar coordinates, Rolle's theorem, Mean value theorems Taylor's theorem etc. Outcomes assess through problems on homework, class tests, internal assessment tests or the final exam.
II	UMTTC201	DIFFERENTIAL EQUATIONS	06	CORE	Apply and develop the knowledge of different methods to solve first and higher order differential equations, Special methods: reduction of order, variation of parameters, Cauchy-Euler equations, etc. Introduction to partial differential equations and students learn about how to solve first order (completely) and higher order PDEs of 2 nd and 3 rd with constant coefficients.
III	UMTTC301	REAL ANALYSIS	06	CORE	Students have the basic knowledge of 1. basic properties of the field of real numbers, \mathbb{R} as a complete ordered field, countable and uncountable sets etc. 2. sequence of real numbers and their

					convergence, divergence and oscillation 3.series of real numbers and their convergence, divergence and oscillation 4.sequences and series of functions 5. relation between continuity and uniform continuity
III	UMTTS302	LOGIC AND SETS	04	SKILL Enhancement	Students gain basic knowledge of logic, sets and relations, i.e, this is a introductory basic course in logic and sets
III	UMTTS303	ANALYTIC GEOMETRY	04	SKILL Enhancement	Students get basics of analytic geometry (e.g., parabola, hyperbola, ellipse, cone, cylinder etc.)
III	UMTTS304	INTEGRAL CALCULUS	04	SKILL Enhancement	Students have the knowledge of basics of integral calculus
IV	UMTTC401	ALGEBRA	06	CORE	Students have a working knowledge of many important mathematical concepts in abstract algebra such as: 1.Groups (in detail) and Sub-groups (like normal subgroups, cyclic subgroups, commutator subgroups, etc.) 2. Permutation groups, factor groups, Transformation groups, etc. 3. Homomorphisms and isomorphisms of groups 4.Some important theorems: Lagrange's theorem, Euler's theorem, Fermat's theorem, cayle's theorem, etc. 5. Ring theory in details. Students gain experience and confidence in proving theorems, problems and exercises on these topics.
IV	UMTTS402	VECTOR CALCULUS	04	SKILL Enhancement	Students earn a basic knowledge of vector calculus
IV	UMTTS403	THEORY OF EQUATIONS	04	SKILL Enhancement	Students come to have a knowledge of foundations of theory of equations
IV	UMTTS404	NUMBER THEORY	04	SKILL Enhancement	Students have awareness of some basics concepts of number theory
V	UMTTE501	MATRICES	06	DSE
V	UMTTE502	MECHANICS	06	DSE
V	UMTTE503	LINEAR ALGEBRA	06	DSE	Students demonstrate competence with the basics ideas of linear algebra including vector spaces and subspaces, linear dependence and independence, basis and dimension, linear transformations, dual spaces of finite dimensional vector spaces, theory of matrices: eigen values and eigen vectors, rank and Cayley-Hamilton theorem.
V	UMTTS504	PROBABILITY AND STATISTICS	04	SKILL Enhancement	Students have a knowledge of basic probability and probability distributions
V	UMTTS505	PORTFOLIO OPTIMIZATION	04	SKILL Enhancement	Students earn a basic knowledge of portfolio optimization/financial markets
V	UMTTS506	MATHEMATIC	04	SKILL	Students have awareness of some basics

		AL MODELING		Enhancement	concepts of mathematical modeling (Applications of differential equations and applications to traffic flow)
VI	UMTTE601	NUMERICAL METHODS	06	DSE
VI	UMTTE602	COMPLEX ANALYSIS	06	DSE	Students have knowledge of : 1.Perform basic algebraic manipulation with complex numbers 2. Understand the geometric interpretation and properties of complex numbers 3. DeMoiver's theorem and its various applications 4. Functions of complex variables and summation of series 5. Cauchy-Riemann Equations, Analytical Functions, definite integrals, contours, convergence of sequences and series, absolute and uniform convergence of power series, etc 6.Some Important theorems: Maximum Modulus theorem, Cauchy-Goursat theorem, Cauchy Integral formula, Liouville's theorem, Fundamental theorem of Algebra, etc.
VI	UMTTE603	LINEAR PROGRAMING	06	DSE
VI	UMTTS604	BOOLEAN ALGEBRA	04	SKILL Enhancement	Students have a knowledge of basic concepts of Boolean Algebra
VI	UMTTS605	TRANSPORTATION AND GAME THEORY	04	SKILL Enhancement	Students earn a knowledge of basic concepts of Transportation and Game Theory
VI	UMTTS606	GRAPH THEORY	04	SKILL Enhancement	Students acquire the knowledge of basic concepts of Graph Theory

SEC: Skill Enhancement Course DSE: Discipline Specific Elective

NOTE:- Outcomes assess through problems on homework, class tests, internal assessment tests or the final exam.

Course outcome of Philosophy

Name of the courses with their course outcomes of Philosophy

Semester	Course Number	Course Title	Nature of Course	Course Outcomes
I	UPLTC101	Introduction to Philosophy	CORE	Students get to learn the definitional understanding of Philosophy and its different subfields
II	UPLTC201	Social and Political Philosophy	CORE	After studying this paper students grasp the fundamental

				concepts viz. liberty, equality, justice, democracy.
III	UPHTC 301	Western Philosophical Thought	CORE	One learns about the early Greek Philosophy followed by modern Philosophical approaches
III	UPHTS 302	Philosophical Tools and Techniques	S.E.C.	Here in this Paper students get to learn the basic tools which are actually the skills of debate in Philosophy
IV	UPHTC 401	Indian Philosophical Thought	CORE	Develops the understanding of Classical Indian Philosophy and classification of different schools of Indian Philosophy.
IV	UPHTS 402	Introduction to Logic	S.E.C.	Gives elementary understanding of formal logic, connectives and
V	UPHTE 501	Philosophy of Religion	D.S.E.	Students are acquainted with philosophical issues of religion and different theories of evolution of religion
V	UPHTGE 503	Themes in Existentialism	G.E.	By the end of this paper student learns about varied existential predicaments and individual life worlds. Along with that student also learns the meaning and qualia of freedom and allied issues of existentialism
V	UPHTS 504	Ethics and Its Applications	S.E.C.	By the end of this course students are imparted with ethics and its application in our day to day life. Students are also enlightened with the understanding of relative and highest Good of life.
VI	UPHTE 602	Modern Indian	D.S.E.	The course imparts the understanding of

		Thought		contemporary Indian Philosophy discussed by great thinker/Philosophers of the times (Tagore, Iqbal, J Krishnamurthy and Vivekananda etc) with special reference to nationalism, freedom, religion etc.
VI	UPHTGE 603	Themes in Political Philosophy	G.E.	Imparts about the debates in Political Philosophy particularly democracy, justice, secularism, gender equality etc.
VI	UPHTS 604	Indian Yogic Traditions	S.E.C.	Enlightens the students with the Yogic traditions of different schools of Indian Philosophy and how the same has been interpreted and argued by different philosophers of the times.

Course Outcome of Physics

B.Sc. Semester – I (Physics)

Course Code/No.: UPHTC101

Title	Content of the Course	Educational Outcome
Mechanics, oscillations and Relativity	1. Mechanics	Students are made well aware of coordinate systems and their applications in our day to day life. They also get to know about the role of coriolis force and its effects about the various phenomena and the motion of our planet around the sun in an elliptical orbit.
	2. Oscillations	Students get the basic knowledge of various types of oscillators (Undamped, Damped, Coupled & forced Oscillators) and laws/Forces governing the oscillations.

	3. Relativity	Students were given the concepts about the space and time, Galilean relativity and conservation on various laws on its basis. Further they were made aware about Lorentz transformation equations on the basis of special theory of relativity, constancy of velocity of light variation of mass with velocity and aberration of light.
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B.Sc. Semester – I

Course: Physics (Practical)

Course Code/No.: UPHPC102

Title	Content of the Course	Educational Outcome
Practical	Syllabus comprise of experiments on Mechanics, Electricity & Magnetism, vibration and waves.	Student were made familiar about the verification of various laws on mechanics, rigidity, strength of solids and its practical utility in structural engineering. They are also made abreast about visualization and production of waves; measurements of low resistances and magnetic fields.

B.Sc. Semester – III (Physics)

Theory

Course Code/No.: UPHTC301

Title	Content of the Course	Educational Outcome
Electronics, Thermodynamics and Statistical Mechanics	1. Electronics	Students get the knowledge of electronics & electronic (Semiconductor) devices such as diodes, transistors, filters, rectifiers, logic gates etc.
	2. Thermodynamics	Students get awareness about the various thermodynamic phenomenon and laws. Methods to produce low temperature using the concepts of thermodynamics and conversion of temperature difference into useful work.
	3. Statistical Mechanics	Pupil gains the knowledge about basic idea about probability, thermodynamic probability, and six dimension space. Distribution of energy into various states governed by Boltzman, Fermi-Dirac

		and Bose Einstein Laws
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B.Sc. Semester – III Course: Physics (Practical)

Course Code/No.:UPHPC302

Title	Content of the Course	Educational Outcome
Practical	Experiments on diodes, rectifier, logic Gates, refractive index, doubly refracted crystals/Prism	Students were made familiar about the methods to convert A.C into D.C. knowledge of Boolean algebra and its realisation in practice. Further the students were made aware about the practical knowledge of laws of refraction and double refraction phenomenon.

B.Sc. Semester – V (Physics) Theory

Course Code/No.: UPYTE-501

Title	Content of the Course	Educational Outcome
Modern Physics	1. Quantum Mechanics	Students get a deep knowledge of Dual nature of light and their experimental proof, Schrodinger equation, Hydrogen and its application to hydrogen atom and various potential problem like potential step, potential well, tunnelling phenomenon and concept of zero point energy.
	2. Atomic Physics	Students come to know about the developments in atomic models proposed by various Scientists from time to time, fine structure of atom, effect of electric and magnetic field on spectral lines
	3. Nuclear Physics	Students get the detailed knowledge about the various Nuclear models, Binding Energy vis-a-vis stability of nuclei, high energy particle detectors, elementary particles, etc.

B.Sc. Semester – V Course: Practical (Physics)

Course Code/No.: UPYTE-502

Title	Content of the Course	Educational Outcome
Practical	Experiments on the topic	Students were abreast about the handling and usage of various

	pertaining to electronics and geometrical optics	equipments and electronic devices/ gadgets. Further, they were given practical knowledge/ demonstration about the verification of various laws and phenomenon of optics.
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Course Outcome of Political Science

Semester	Course code	Course Title	Course Outcomes
3 rd (DSE)	UPSTC-301	Western Political Thought	Students understand the political thoughts of Plato, Aristotle, Machiavelli and J.S.Mill and the relevance of their political philosophies in the contemporary times.
3 rd (Skill)	UPSTS-302	Legislative support	Student understands the working of the parliament of India, its devices, committees, budgetary process and role of mass media in governance.
4 th (DSE)	UPSTC-401	Comparative politics	Students gain the knowledge about the various structures, functions, and processes of different countries in a comparative analysis form.
4 th (Skill)	UPSTS-402	State, Citizenship and rights in India	Students acquainted with the concept and criteria of citizenship, various rights and other national level commissions established for the welfare of the weaker sections of the society.
5 th (DSE)	UPSTE-501	International politics	Students get the knowledge about the crucial concepts and approaches to the study of international politics apart from having a deep understanding of the various techniques of power management by the countries at the

			international level.
5 th (Skill)	UPSTS-503	Functioning of administrative structure in India	Students learn and understand the functioning of administrative structures in India-both at the central and state levels.
6 th (DSE)	UPSTE-601	Government and politics in Jammu & Kashmir	Student learns the genesis of the process of establishment of J&K state and the various factors and events which led its accession to the Union of India. Students would get the knowledge about the constitutional structures of J&K and the role of national and regional political parties in the politics of J&K.
6 th (Skill)	UPSTS-603	Politics and Journalism	Students know the role of Journalism in the domain of politics and vice versa.

Course Out Comes of Punjabi

Semester	Course Code	Course Tittle	Course Out Comes
1 st	UDGTC 101	Dogri Core	The students will be able to recognize poetry from a variety of cultures, Languages and historic period and students understanding of the human conditions to convey personal, social and cultural meaning through drama.
	UDGTS 101	Dogri Bhasha	The Students will be able to know the various methods to the study of language and understand the communication process and method.
2 nd	UDGTC201	Dogri core	Essay may help motivates students to know the about the dogra cultural heritages social issue and so many other topic. Reading nobal offers students the opportunity to develop wisdom.
	UDGTS201	Bhasha Te lippi	Students will be able to understand be languages origin and development of dogri.

3 rd	UDGTC301	Dogri Poetry	Students will be able to know the information about the history of literature and poetry develop the student power of imagination .
	UDGTS302	Translation	Student good gain the knowledge about the translation in literature and other problems related to translation .
4 th	UDGTC401	Dogri Short Story	Student will be able to understand the thought of writers, story elements and student gain knowledge about the development of dogri short stories.
	UDGTS402	Journalism	Students will be able to write a variety of mass media, products, including news stories, press releases and advertising copy following accepted journalist standards including associated press style.
5 th	UDGT501	Dogri Dhawani Vichar	Students will be able to understand the linguistics as a scientific discipline and learn about dogri phonetics.
	UDGTS502	Dogri Bhasha Shikshan	Student will be able to understand reading, writing, listening and communication skills.
	UDGTE503	Duggar Sanskriti	Student will get the knowledge about dogra cultural (Custom, Tradition, Lifestyle, Belief etc).
	UDGTE505	Dogri Lok Sahitya	Student would be acquainted with the concept folk literature and to know the co relations between folk literature and its other branches.
6 TH	UDGTS601	Dogri Vakaya Vishleshan	The student will be able to know about the classification basic clause type in dogri language.
	UDGTS602	Rachnatmak Lekhan	Student will be able to analyses and critique the quality of literally generals and presses, as well as the work of particular writes.

	UDGTE603	Dogri Sonnet te Natak	Student will be able to know about the life history of poet and understand the feeling in sonnet. <u>Drama</u> Student will learn to comprehend and analyze historical movements in dramatic literature.
	UDGTE605	Dogri Katha Sahitya	Student will be able to examine short stories and novel analytically and interpretively to identify and analyze literary elements the plot, character, theme, style, symbol, metaphor and image.

Course Outcome of Sanskrit

Semester	Course Title	Course Code	Nature of Course	Course Outcome
Ist	Katha Sahitya Evam Vyakaran	USATC101	To provide knowledge about Panchtantra & Sanskrit Grammar e.g. Shabd Roop, Dhaatu Roop, Sandhi etc.	It gives a moral Education through Tales of Panchtantra and shalokas. Besides, the students will be able to translate sentences and write short paras in Sanskrit Language.
IInd	Natya Evam Natya Shastra	USATC201	To provide knowledge about "SAHITYADARPAN" and famous Drama of Sanskrit "SWAPANVASVADATTAM".	It enables the students to know about the aims, definitions and principle types of Naayak-Naayikaa and Rasa on the basis of Vishwanath's "Sahityadarpana."
IIIrd	Sanskrit Gadya Evam Padya Sahitya Ka Itihas	USATC301	To provide knowledge about ancient Niti Literature.	It helps the students to know about Niti literature through texts like Nitishatkam along with important prose and General Introduction to Sanskrit Literature.
IIIrd	Basic Elements of Jyotisha (SEC)	USATS302	To provide a basic knowledge of Jyotishavigyan.	To understand students about origin, Development and Branches of Jyotisha and also that how they can read a Panchang.
IVth	Shreemadbhagwad Geeta, Bhasha Vigyan Evam Vyakaran	USATC401	To provide a basic knowledge of Vedic Sanskrit, Paali, Prakrit etc. and Shreemadbhagwad Geeta.	This course enables the students to know about Sanskrit grammar (krit pratyaya, vachaya parivartan etc) and the principle thesis and importance of the Geeta

				and differences between Vedic Sanskrit, Paali & Prakrit.
IVth	Indian Architecture(SEC)	USATS402	To provide a basic knowledge of Vastushastra.	The aim of this course to get the students to know about the principles of design, layout, measurement etc. Vastushastra is an ancient science of architecture and construction.
Vth	Laukik Sanskrit Sahitya Ka Itihas(DSE)	USATE501	To provide a basic knowledge of Ramayana, Mahabharata,Purana.	The aim of this course is to make the students acquainted with various aspects of Indian Political thought in the ancient Sanskrit texts such as Mahabharata, Ramayana, Puranas etc and also introduce with moral characters like Shri Krishana, Arjuna, Rama,Sita etc.
Vth	Laukik Sanskrit Sahitya Evam Vyakaran(GE)	USATE503	To provide a basic knowledge of Ramayana, Mahabharata,Purana.	The aim of this course is to make the students acquainted with various aspects of Indian Political thought in the ancient Sanskrit texts such as Mahabharata, Ramayana, Puranas etc and also introduce with moral characters like Shri Krishana, Arjuna, Rama,Sita etc.
Vth	Basic Elements of Ayurveda(SEC)	USATS504	To provide a basic knowledge of Charaksanhita and its relevance in Modern time.	Ayurveda is a traditional Indian system of healthcare. The major aim of this course to understand the basic principles and concepts of health maintenance, diet and nutrition etc. It will be useful for students in their own day-to-day living.
Vith	Ethical and Moral Issues in Sanskrit Literature(DSE)	USATE601	To provide a basic knowledge of four Vedas and importance of rigveda's suktas.	The aim of this course is to get the students familiar with the Ethical and Moral Values in Sanskrit Literature and also to know about the Vedas . In this course students can learn the

				importance of earth through “PRITHVI SUKTA OF ATHARVVEDA.”
VIth	Natak Evam Natakkar (GE)	USATE603	To provide knowledge about famous Drama of Sanskrit”MALVIKAAGNIMI TRAM.”	Its aim to acquaint the students with most famous drama of KAALIDASS, which not only reflect poetic excellence but also highlight human values.
VIth	Yogasutra of Patanjali (SEC)	USATS604	To provide a basic knowledge of Patanjali’s Yogasutra.	To enable the students to know about the most important texts and the vision of our ancient Yoga’s tradition through sutras of “PATANJALI YOGASUTRA.”

Course Outcome of Sociology

Semester	Course code	Course Title	Course Outcomes
I	USOTC101	Introduction to Sociology	Students will be introduced to the discipline of Sociology its origin, growth, perspectives and relationship with other social sciences, basic concepts and institutions of Sociology. Further, students will be able to understand the relationship between individual and society, culture and social change
II	USOTC201	Society in India	Students will be acquainted with the distinctive features of Indian society with special reference to the Tribal, Rural and Urban Communities.
III	USOTC301	Foundations of Sociological Thought	Students will gain knowledge regarding the history of Sociological theories and will be able to understand the contribution of pioneers of Sociology.
III (Skill)	USOTS302	Gender Sensitization	The Course will sensitize students to issues related to gender and equality among all sexes. It will also provide them with the tools and skills to develop

			and integrate a gender perspective in work and life.
IV	USOTC401	Indian Society- Issues and Problems	Students will be acquainted with the distinctive features of the Indian Society; students will also be able to understand the issues and the social problems of Indian Society.
IV (Skill)	USOTS402	Quantitative Research Methods	The skill of the students will be enhanced to understand and use quantitative techniques employed by social scientists to investigate social phenomenon.
V(DSE)	USOTE-502	Tribal Society in India	Students will be acquainted with the characteristics of tribe and their relationship with different institutions, tribal problems and issues and welfare programmes.
V (Skill)	USOTS-501	Qualitative Research	Students will be introduced to various components of Qualitative research, various qualitative methods and techniques.
V (Generic)	USOTE-503	Understanding Sociology	Students will be introduced to the discipline of Sociology its origin, growth, perspectives and relationship with other social sciences, basic concepts and institutions of Sociology. Further, students will be able to understand the relationship between individual and society, culture and social change
VI (Skill)	USOTS-601	Social Demography	Students will be able to understand the social demography, the demographic process and approaches to the study of population.
VI (DSE)	USOTE-602	Social Change Development and Globalization	Students will be familiarized with the concept and theories of social change and various aspects of development and globalization.
VI (Generic)	USOTE-603	Issues and Problems in Indian Society	Students will be introduced to the various social problems in the Indian society and the challenges that emerge out of it.

Course Outcome of Zoology

Semester	Course code	Course Title	Nature of Course	Course Outcomes
I		Animal Diversity	Core	Students get and understanding of vertebrates and invertebrates. Students know about the characteristics features of different Phyla.
II		Comparative Anatomy and Developmental Biology of Vertebrates.	Core	By the end of this paper student learns basic difference between different anatomical structure and function of different phyla of vertebrates and invertebrates. Imparts the understanding of developmental biology.
III		Physiology and Biochemistry	Core	Student understands the structure and function of various system of animal body to know about the importance of Biomolecules and Biochemical pathways
III		Apiculture	SEC	Students get an overview of life history of honeybee with the method of rearing of honeybee and thereby using it as one of the avenues of self employment
IV		Principles of Genetics and Evolutionary Biology	Core	Learn the basics of Darwinism and Neo-Darwinism. Students also get to know about the concepts like linkage, crossing, gene mutation etc. They also grasp the concepts of Population genetics and species.
IV		Aquarium Fish Keeping	SEC	Renders the understanding of history, method of fish keeping and also aid students with the skill

				of fish keeping which can be one of the prospective of self employment.
V		Applied Zoology	DSE	Aware the students with the different diseases caused by parasites and how these diseases are prevented. It also imparts students with the knowledge of applying biotechnology to livestocks. By the end of the course students learn about cattle farming, poultry farming and aquaculture
V		Public Health and Hygiene	SEC	Students get awared about personal health and hygiene alongwith the grasp of communicable and non-communicable diseases and preventing measures of the same.
VI		Insect Vectors and Diseases	DSE	Learners get the knowledge of vectors of insects, disease caused by them and preventing measures of the diseases caused.
VI		Sericulture	SEC	Helps in grasping the life history silk worm and different disease in mulberry and silk worm. Also, they get to know the method of silk worm rearing.

Course Outcome of Urdu

<i>SEMESTER</i>	COURSE TITLE/COURSE CODE	NATURE OF COURSE	COURSE OUTCOME
<i>IST</i>	Ghazal, Nazam and Afsana-UURET-101	Core Urdu	The students learns and understand the origin, development and importance of Urdu language and Literature
<i>IIND</i>	Nazam and Origin of Urdu Language –UURET-201	Core Urdu	This course imparts the students to fully grasp the development of Urdu Nazam. Also, provides brief knowledge about the origin and development of Urdu Language and its importance in JK.
<i>IIIRD</i>	Study of Qasida, Marsiya and Drama-UURT-301	Core Urdu	The course helps in making the students fully conversant with the respective genre of Urdu literature i.e. Qasida, Marsiya and Drama
<i>IVTH</i>	Study of Masnavi and Inshaiya-UURET-401	Core Urdu	The course provides comprehensive knowledge of beginning and development of Masnavi and Inshaiya in Urdu language.
<i>VTH</i>	Ghazal, Nazam and Novel-UURET-501	Core Urdu	The course provides knowledge of Medieval Ghazal, Pre-independence Nazam and Urdu Novel.
<i>VITH</i>	Literature and Criticism-UURET-601	Core Urdu	The course provides knowledge of Literary criticism and history of Urdu literature to the students.
<i>IST</i>	Urdu Communication-UURTC-01	AECC	It helps the students to know and understand the origin, development and importance of Urdu language and literature.
<i>IIND</i>	Urdu Communication-UURTC-02	AECC	TO enable students to know and understand the origin, development and importance of Urdu language and literature by reading the works of writers.
<i>IVTH</i>	Urdu Language and Essay Writing-UURTS-503	AECC	This course provides knowledge to students about Afsana and Essay writing.
<i>IVTH</i>	Fort William College, Urdu Ghazal and Translation-UURTS-603	AECC	The course provides knowledge of Urdu Ghazal to the students. Also helps them to know about the origin of translation and various techniques of translations.
<i>IIIRD</i>	Translation and language Skills –UURTS-302	SEC	This course helps the students to understand the various techniques

			in translation and language skills.
<i>IVTH</i>	Language Skills-UURTS-402	SEC	This course helps the students to understand the language skills and also help them to improve their creative writing skills.
<i>VTH</i>	Journalism-505	SEC	This course provides the students to know about the origin of Journalism and the various techniques involved in Journalism.
<i>VITH</i>	Creative writing and Rhetoric – UURTS-605	SEC	This course provides basic knowledge about Rhetoric and also develops the creative skills of students.

Course Outcome of English Literature

Semester	Course Code	Course Code	Nature of Course	Course Outcome
I	UELTC-101	English Literature	Core Course	To acquaint the students with the history of English literature old and middle English Literature and study of corresponding works.
II	UELTC-201	English Literature	Core Course	To introduce the students to the transition from medieval to modern times in the history of England through the study of relevant works.
III	UELTC-301	English Literature	Core Course	To know about the English milieu and literature written during 17 th century with special reference to prose, drama, meta-physical poetry.
IV	UELTC-401	English Literature	Core Course	To introduce the students to the main literary development in England during the Restoration period through the works written in this period.

English (Core)

Semester	Course Code	Course Title	Nature of Course	Course Outcome
I	UENTC-101	English	Core Course	To introduce the students to different genres such as prose, drama, and essay. It also gives knowledge about basics of grammar.
II	UENTC-201	English	Core Course	To introduce the nuances of pronunciation through syllables and word stress.
III	UENTC-301	English	Core Course	Knowing how to write effective reports and documentation.
IV	UENTC-401	English	Core Course	Learning to critically analyze drama and poetry, in an effective manner, It also improves student's grammar skills.
V	UENTC-504	English Literature	Discipline Specific Elective	
VI	UENTE-505	Indian Women Writings	Discipline Specific	

			Elective	
VII	UENTE-506	Ethical Competence Through Literature	Generic Elective	
VIII	UENTE-604	English Literature	Discipline Specific Elective	
IX	UENTE-605	New Literature in English	Discipline Specific Elective	
X	UENTE-606	Learning Life skills through literature.	Generic Elective	

Course outcome of Functional English

Semester	Course Code	Course Title	Nature of Course	Course Outcome
I	UFETC-101	Functional English	Core Course	<ul style="list-style-type: none"> • To eliminate grammatical errors in speaking and writing. • To help the learners attain the ability of communicating accurately and fluently.
II	UFETC-201	Functional English	Core Course	<ul style="list-style-type: none"> • To enhance the learners' writing skills with the use of specific formats of written discourse.
III	UFETC-301	Functional English	Core Course	<ul style="list-style-type: none"> • To introduce situational specific conversational skills in English. • To improve learners' english language proficiency in social and work situations particularly in spoken interaction.
IV	UFETC-401	Functional English	Core Course	<ul style="list-style-type: none"> • To acquaint learners with different processes language use in TV and radio broadcasting.
V	UENTE-507	Functional English	Discipline Specific Elective	<ul style="list-style-type: none"> • To train students in using English language in news reading, announcing and reporting on TV and radio from a written script.
VI	UFETC-601	Functional English	Discipline Specific Elective	<ul style="list-style-type: none"> • To improve the vocalization style of speech delivery in English. • To enhance the employability in the field of media and journalism.

Course outcome of Communication English

Semester	Course Code	Course Title	Nature of Course	Course Outcome
I	UCETS-101	Communicative English	Ability Enhancement	To enhance the communicative competence and practical application of language.
II	UCETS-201	Communicative English	Ability Enhancement	To sharpen the learner's ability to use English in every sphere. To teach the different dimensions of language. To develop and describe the innovative id.
III	UENTS-302	English for Ability Enhancement-I	Ability Enhancement	Developing reading, writing and speaking skills of learners.
IV	UENTS-402	English for Ability Enhancement-II	Ability Enhancement	To develop writing skills with a special focus of narration and word formation.
V	UENTS-501	English for Ability Enhancement-III	Ability Enhancement	To be able to understand the concept of different Philosophers.
VI	UENTS-601	English for Ability Enhancement-IV	Ability Enhancement	To develop listening skills and to have a clear understanding of correct usage of tenses and verbs.

Course Outcome of BCA

Semester	Course Code	Course Title	Nature of Course	Course Outcome
1 st	UBCATC-101	Computer fundamentals	Core	After learning the course the students should be able to explain about the fundamentals of computers. The student should be able to solve any types of problem. The students should be able to explain the working of the CPU and other components of the motherboard.
1 st	UBCATC 102	Problem solving using C-language	Core	<ol style="list-style-type: none"> 1. Analyze a given problem and develop an algorithm to solve the problem 2. Improve upon a solution to a problem 3. Use the 'C' language constructs in the right way 4. Design, develop and test programs written in 'C'
2 nd	UBCATC 201	Data and File Structures using C-language	Core	<ol style="list-style-type: none"> 1. Describe how arrays, records, linked structures, stacks, queues, trees are represented in memory and used by algorithms. 2. Describe common applications for arrays, records, linked structures, stacks, queues, trees 3. Write programs that use arrays, records, linked structures, stacks, queues, trees 4. Demonstrate different methods for traversing trees .
2 nd	UBCATC-202	Fundamentals of Digital Electronics	Core	After learning the course the students should be able to explain about the fundamentals of computers, digital number systems and logic circuits. The student should be able to solve logic function minimization. The students should be able to differentiate between combinational and sequential circuits such as decoders, encoders, multiplexers, demultiplexers, flip-flops, counters, registers.
3 rd	UBCATC-301	Fundamentals of Operating System	Core	<p>Upon completion of the course students will be able to:</p> <ol style="list-style-type: none"> 1) Understand the basic working process of an operating system. 2) Understand the importance of process and scheduling. 3) Understand the issues in synchronization and memory management.

3 rd	UBCATC-302	Database Management System	Core	Understanding the core terms, concepts, and tools of relational database management systems. Understanding database design and logic development for database programming.
4 th	UBCATC-401	Computer Networks and Internet	Core	Identify the different components in a Communication System and their respective roles. 2. Describe the technical issues related to the local Area Networks 3. To understand the web architecture and web services. 4.To design interactive web pages using HTML and Style sheets
4 th	UBCATC-402	Object Oriented Programming using C++	Core	1. Understand concepts of objects and their significance in real world 2. Investigate software problem in terms of objects and entities 3. Learn to co-relate relationship among different entities involved in a system
5 th	UBCAPS-551	Android Programming	SEC	After completion of this course students should make Android apps for Android devices. Students will be able to write simple GUI applications, use built-in widgets and components, work with the database to store data locally, and much more.
5 th	UBCAPS-552	Multimedia Computing	SEC	The student will be able to know the compression and decompression techniques along with the knowledge of various formats of files and their differences.
5 th	UBCATE-501	VB .Net	DSE	Upon completion of this course, students will be able to: Understand .NET Framework and describe some of the major enhancements to the new 1) Describe the basic structure of a Visual Basic.NET project and use main features of the 2) integrated development environment (IDE). Create applications using Microsoft Windows® Forms. 3) Create applications that use ADO. NET.
6 th	UBCAPS- 650	Project	SEC	The objective of the project is to motivate them to work in emerging/latest technologies, help the students to develop ability, to apply theoretical and practical tools/techniques to solve real life problems related to industry, academic institutions
				1)Explain the core concepts of the cloud

6 th	UBCATE-601	Cloud Computing	DSE	<p>computing paradigm: how and why this paradigm shift came about, the characteristics, advantages and challenges brought about by the various models and services in cloud computing</p> <p>2)Apply the fundamental concepts in datacenters to understand the tradeoffs in power, efficiency and cost</p> <p>3)Discuss system virtualization and outline its role in enabling the cloud computing system model</p>
6 th	UBCATE-602	System Analysis & Design	DSE	<p>Upon completion of this course, students will be able to: Know about the software product and process.</p> <ol style="list-style-type: none"> 1) Know about software characteristics, components and applications, methods and tools. 2) Understand the software development paradigms. 3) Know about the software process and lifecycle models
6 th	UMTTE-601*	Numerical Methods	DSE	<ol style="list-style-type: none"> 1) Be aware of the use of numerical methods in modern scientific computing, 2) Be familiar with finite precision computation, 3) Be familiar with calculation and interpretation of errors in numerical methods,

Course Outcome of Computer Application

Semester	Course Code	Course Title	Nature of Course	Course Outcome
1 st	UCATC-101	Computer Fundamentals and IT tools	Core	<ol style="list-style-type: none"> 1. Demonstrate the basic technicalities of creating Word documents for office use. 2. Create and design a spreadsheet for general office 3. Demonstrate the basic technicalities of creating a PowerPoint presentation. 4. Demonstrate the practices in data & files management
2 nd	UCATC-201	Problem Solving using C language	Core	<ol style="list-style-type: none"> 1. Analyze a given problem and develop an algorithm to solve the problem 2. Improve upon a solution to a problem 3. Use the 'C' language constructs in the right way 4. Design, develop and test programs written in 'C'
3 rd	UCATC-301	Data and file structure using C language	Core	<ol style="list-style-type: none"> 1. Describe how arrays, records, linked structures, stacks, queues, trees are represented in memory and used by algorithms. 2. Describe common applications for arrays, records, linked structures, stacks, queues, trees 3. Write programs that use arrays, records, linked structures, stacks, queues, trees 4. Demonstrate different methods for traversing trees.
4 th	UCATC-401	Database Management System & SQL	Core	<ol style="list-style-type: none"> 1. Able to master the basic concepts and understand the applications of database systems. 2. Able to construct an Entity-Relationship (E-R) model from specifications and to transform to Relational model. 3. Able to construct unary/binary/set/aggregate queries in Relational Algebra. 4. Able to construct SQL queries to perform CRUD operations on database.

				(Create, Retrieve, Update, Delete).
5 th	UCATE-502	Object Oriented Programming Using C++	DSE	<ol style="list-style-type: none"> 1. Understand concepts of objects and their significance in real world 2. Investigate software problem in terms of objects and entities 3. Learn to co-relate relationship among different entities involved in a system
6 th	UCATE-601	Networking and Internet	DSE	<ol style="list-style-type: none"> 1. Independently understand basic computer network technology. 2. Understand and explain Data Communications System and its components. 3. Identify the different types of network topologies and protocols. 4. Enumerate the layers of the OSI model and TCP/IP. Explain the function(s) of each layer. 5. Identify the different types of network devices and their functions within a network

Course outcomes of MUSIC

Semester	Course Code	Title of the Course	Course Outcome
Sem. I			
Theory	UMUTC-101	Theory of Indian Music (General) And biographies of Musicians.	It will provide basic knowledge of different terms used in Indian Classical Music. It will provide knowledge about the contribution of different musicians in the field of music.
Practical	UMUPC-102	Stage performance and viva voce.	It will enable the students to understand the basic concepts of ragas and talas. It will enhance the ability of listening, singing and identifying the basic elements of Indian Music.
Sem. II			
Theory	UMUTC-201	Theory of Indian Music (General) And biographies of Musicians.	It will help in understanding the basic theory of Indian Classic Music. It will provide information and knowledge to students about the biographical sketches and contribution of legendary musicians in the field of Indian music.
Practical	UMUPC-202	Stage performance and viva voce.	It will enhance the listening, singing and playing quality of students.
Sem. III			
Theory	UMUTC-301	Applied theory and History of Indian Music.	It will provide basic knowledge of the general terms used in Indian music and historical background of Indian classic music.
Practical	UMUPC-302	Stage performance and viva voce.	It will provide knowledge about swars, alankaars, laya, ragas and talas and other technical aspects related to stage performance.
Sem. III			
Skill Enhancement Course	UPUPS-303	Value based and practical oriented courses. Indian music (vocal) and instrumental (sitar)	It will help to enhance the musical skills of students and introduced the basic knowledge and terminology of Indian classical music.

Sem. IV Theory	UMUTC-401	Applied theory and History of Indian Music.	It will help in understanding different singing styles and historical background of Indian classical music.
Practical	UMUPC-402	Stage performance and viva voce.	It will help students in formation of different Alankaars/Palatas by using different musical notes with different patterns.
Sem. V Theory	UMUTE-501	Technical Aspects and Study of Ragas and Talas of Indian Music.	It will provide knowledge about the technical aspects of Indian Music along with the study of Ragas and Talas.
Practical	UMUPE-502	Stage performance and viva voce.	It will enhance the ability to recite alaap, bol alaap, taan, bol taan, sargam alap in prescribed Ragas and Talas with different layakaries.
Sem. V Skill Enhancement Course	UMUPS-503	Value based and practical oriented courses. Indian music (vocal) and instrumental (sitar	This course will enhance the performance aptitude or skill of the students with the help of stage performance and project presentation.
Sem. VI Theory	UMUTE-601	Technical Aspects and Study of Ragas and Talas of Indian Music	It will provide information about the technical aspects of Indian classical music.
Practical	UMUPE-602	Stage performance and viva voce.	It will enhance the ability to recite alankaars, Ragas and Talas with different layakaries.
Sem. VI Skill Enhancement Course	UMUPS-603	Value based and practical oriented courses. Indian music (vocal) and instrumental (sitar	It will enhance the performance aptitude or skill of the students with the help of field visit and guided listening and teaching lessons.
NON CBCS			
Sem.V Theory	MU-501	Indian Music- Applied theory and history of Indian Music.	It will help in understanding different singing styles and historical background of Indian classical music.
Practical	MU501	Stage performance and viva voce.	It will enhance the ability to recite alaap, bol alaap, taan, bol taan, sargam alap in prescribed Ragas and Talas with different layakaries.

