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

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>COURSE CODE</th>
<th>COURSE TITLE</th>
<th>NATURE OF COURSE</th>
<th>COURSE OUTCOME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&lt;sup&gt;st&lt;/sup&gt;</td>
<td>UBOTC 101</td>
<td>Diversity of Microbes and cryptogams</td>
<td>CORE</td>
<td>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.</td>
</tr>
<tr>
<td>1&lt;sup&gt;st&lt;/sup&gt;</td>
<td>UBOPC 102</td>
<td>Diversity of Microbes and Cryptogams (Practical)</td>
<td>PRACTICAL</td>
<td>In the lab they originally see and study the different groups of plants and able to differentiate.</td>
</tr>
<tr>
<td>2&lt;sup&gt;nd&lt;/sup&gt;</td>
<td>UBOTC 201</td>
<td>Characteristics and Systematics of seed plants.</td>
<td>CORE</td>
<td>To gain a knowledge about seed bearing plants and study of Gymnosperms, taxonomy of angiosperms including classification and morphology.</td>
</tr>
<tr>
<td>2&lt;sup&gt;nd&lt;/sup&gt;</td>
<td>UBOPC 202</td>
<td>Characteristics and systematic of seed plants.</td>
<td>PRACTICAL</td>
<td></td>
</tr>
<tr>
<td>3&lt;sup&gt;rd&lt;/sup&gt;</td>
<td>UBOTC 301</td>
<td>Plant Anatomy, Embryology and Ecology.</td>
<td>CORE</td>
<td>To impart a knowledge about Anatomy, Embryology, and Environmental issues viz global warming, climate change and soil conservation.</td>
</tr>
<tr>
<td>3&lt;sup&gt;rd&lt;/sup&gt;</td>
<td>UBOPC 302</td>
<td>Plant Anatomy, Embryology and Ecology.</td>
<td>PRACTICAL</td>
<td>To study the detailed internal structure of various parts of plants.</td>
</tr>
<tr>
<td>3&lt;sup&gt;rd&lt;/sup&gt;</td>
<td>UBOTS 303</td>
<td>Nursery, Gardening, and Floriculture</td>
<td>SEC</td>
<td>To enhance the skill of students how to prepare nurseries, gardens and floriculture.</td>
</tr>
<tr>
<td>4&lt;sup&gt;th&lt;/sup&gt;</td>
<td>UB0TC401</td>
<td>Plant Physiology and Metabolism</td>
<td>Core</td>
<td>Enable the students about various physiological processes operating in plant and their metabolism.</td>
</tr>
<tr>
<td>4&lt;sup&gt;th&lt;/sup&gt;</td>
<td>UB0TC402</td>
<td>Plant Physiology and Metabolism</td>
<td>Practical</td>
<td>Learns the various physiological processes, enzymes and metabolism.</td>
</tr>
<tr>
<td>4&lt;sup&gt;th&lt;/sup&gt;</td>
<td>UB0TC403</td>
<td>Ethnobotany</td>
<td>SEC</td>
<td>Get equipped with the students with traditional uses of the plants with special focus on medicinal plants.</td>
</tr>
<tr>
<td>5&lt;sup&gt;th&lt;/sup&gt;</td>
<td>UB0TC501</td>
<td>Cell Biology and</td>
<td>DSE</td>
<td>Get imparted with the</td>
</tr>
<tr>
<td>Sem.</td>
<td>CourseNumber</td>
<td>CourseTitle</td>
<td>Nature of Course</td>
<td>Course outcome</td>
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<tr>
<td>I</td>
<td>UCHTC101</td>
<td>Atomic Structure, Bonding, General Organic Chemistry &amp; Aliphatic Hydrocarbons</td>
<td>C</td>
<td>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.</td>
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<tr>
<td></td>
<td>UCHPC102</td>
<td>Laboratory Course: Chemistry-I</td>
<td>C</td>
<td>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.</td>
</tr>
<tr>
<td>II</td>
<td>UCHTC201</td>
<td>Chemical Energetics, Equilibria &amp; Functional Organic Chemistry</td>
<td>C</td>
<td>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</td>
</tr>
<tr>
<td>Course Code</td>
<td>Laboratory Course: Chemistry</td>
<td>Description</td>
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<tr>
<td>UCHPC202</td>
<td>Chemistry-II</td>
<td>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.</td>
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<tr>
<td>UCHTC301</td>
<td>Solutions, Phase Equilibrium, Conductance, Electrochemistry &amp; Functional Group Organic Chemistry</td>
<td>Discusses thermodynamics of Ideal solutions (Raoults 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.</td>
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<tr>
<td>UCHPC302</td>
<td>Chemistry-III</td>
<td>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.</td>
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<tr>
<td>UCHTS303</td>
<td>Cosmetics, Perfumes and Medicinal Agents from Natural Sources (Skill Enhancement Course)</td>
<td>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.</td>
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<tr>
<td>UCHTC401</td>
<td>Coordination Chemistry, States Of Matter &amp; Chemical Kinetics</td>
<td>To be able to describe VBT, shapes and structures of coordination complexes with coordination numbers 4 and 6, use Crystal Field Theory and john tellar distortion in coordination complexes. Discusses reaction rates, theories of reaction rates and order of a reaction.</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Type</td>
<td>Description</td>
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<tr>
<td>UCHPC402</td>
<td>Laboratory Course: Chemistry-IV</td>
<td>C</td>
<td>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 H₂S 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 without the use of organic solvents.</td>
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<tr>
<td>UCHTS403</td>
<td>Pesticide Chemistry (Skill Enhancement Course)</td>
<td>SEC</td>
<td>Discuss different types of pesticides with their structure, synthesis, uses and present status.</td>
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</tr>
<tr>
<td>UCHTE501</td>
<td>Spectroscopy, Photochemistry and Organometallics and Bioinorganic Chemistry</td>
<td>DSE</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>UCHPE502</td>
<td>Laboratory Course: Chemistry-V</td>
<td>DSE</td>
<td>Experience in some scientific methods employed in basic and applied physical chemistry and their use for knowing the concentration of unknown in a solution.</td>
<td></td>
</tr>
<tr>
<td>UCHTS503</td>
<td>Fuel Chemistry (Skill Enhancement Course)</td>
<td>SEC</td>
<td>Review and classification of energy sources (coal, petroleum and lubricants). Composition, refining, properties and applications.</td>
<td></td>
</tr>
<tr>
<td>UCHTE601</td>
<td>Inorganic Materials of Industrial Importance and Organic Spectroscopy</td>
<td>DSE</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>UCHPE602</td>
<td>Laboratory Course: Chemistry-VI</td>
<td>DSE</td>
<td>Developing skills for green synthesis and awareness students about importance of non-conventional energy sources and solvent free synthesis in green chemistry.</td>
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</tbody>
</table>
### Course Outcome of Commerce

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Name</th>
<th>Course Code</th>
<th>Objective /Nature of Course</th>
<th>Course Outcomes</th>
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</thead>
<tbody>
<tr>
<td>B.COM I</td>
<td>Financial Accounting</td>
<td>UBCTC-101</td>
<td>To impart conceptual knowledge of financial accounting and also skill for recording business transactions.</td>
<td>Students will be able to analyse financial data to support business decisions and assessment of business decisions.</td>
</tr>
<tr>
<td></td>
<td>Business Organisation and Management</td>
<td>UBCTC-102</td>
<td>The basic objective of this course is to provide fundamental knowledge about business management and organization.</td>
<td>Students will be able to understand the theoretical and practical aspects of the operation of the various types of business organizations.</td>
</tr>
<tr>
<td>B.COM II</td>
<td>Advanced Financial Accounting</td>
<td>UBCTC-211</td>
<td>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.</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>Contemporary Management</td>
<td>UBCTC-212</td>
<td>The basic objective of this course is to provide knowledge about contemporary issues in the business management &amp; organization.</td>
<td>Students will become familiar with contemporary concepts and tools related to current strategic management theory and practice.</td>
</tr>
<tr>
<td>B.COM III</td>
<td>Fundamental of Business Communication</td>
<td>UBCTC-301</td>
<td>To impart knowledge about basic communication to enable the students to think, observe and express effectively in this competitive world.</td>
<td>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.</td>
</tr>
<tr>
<td>Course Title</td>
<td>Code</td>
<td>Objective</td>
<td>Students will do</td>
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<tr>
<td>Corporate Accounting</td>
<td>UBCTC-302</td>
<td>To impart basic knowledge of various aspects of accounting of corporate world.</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Entrepreneurship for Small Business</td>
<td>UBCTS-307</td>
<td>To provide exposure to the students regarding entrepreneurial culture so that they can manage their own small units.</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>B.COM IV Business Communication Skill and Development</td>
<td>UBCTC-401</td>
<td>To develop the communication skill of students in business world.</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Direct Tax Laws</td>
<td>UBCTC-402</td>
<td>To provide knowledge of basic concepts and practice of income tax to the students.</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Corporate Laws</td>
<td>UBCTC-403</td>
<td>To provide the knowledge of concepts of corporate laws to the students.</td>
<td>Students will get insights about how corporations are registered and administered.</td>
<td></td>
</tr>
<tr>
<td>Customer Relationship Management</td>
<td>UBCTS-408</td>
<td>To impart the basic knowledge of the customer relationship management and e-CRM.</td>
<td>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</td>
<td></td>
</tr>
<tr>
<td>B.COM V Cost Accounting</td>
<td>UBCTS-501</td>
<td>To familiarize and acquaint the student with application of cost accounting techniques.</td>
<td>Students will become to use cost accounting for business decision making and performance evaluation.</td>
<td></td>
</tr>
<tr>
<td>Fundamentals of Marketing</td>
<td>UBCTE-505</td>
<td>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.</td>
<td>Students will get the understand marketing planning and can develop marketing strategies. This course will also provide the foundations for further study in marketing.</td>
<td></td>
</tr>
<tr>
<td>Course Title</td>
<td>Code</td>
<td>Objectives</td>
<td>Learning Outcomes</td>
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<tr>
<td>Statistics for Managers</td>
<td>UBCTE-508</td>
<td>To develop an understanding of the basic statistical tools and their application in business, finance and economics.</td>
<td>Students will be able to produce appropriate graphical and numerical descriptive statistics for different type of quantitative data related to business operations.</td>
<td></td>
</tr>
<tr>
<td>Public Finance</td>
<td>UBCTE-510</td>
<td>To develop an understanding of the basic statistical tools and their application in business, finance and economics.</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>B.COM VI Management Accounting</td>
<td>UBCTS-601</td>
<td>To impart knowledge about the use of financial, cost and other data for the purpose of managerial planning, control and decision making.</td>
<td>Students will acquire the knowledge and skills relating to the application of management accounting concepts and techniques for business decisions.</td>
<td></td>
</tr>
<tr>
<td>Business Environment</td>
<td>UBCTE-603</td>
<td>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.</td>
<td>Students will gain knowledge of the environment in which businesses operate, the economic, operational and financial framework.</td>
<td></td>
</tr>
<tr>
<td>Financial Management</td>
<td>UBCTE-606</td>
<td>To provide basic knowledge of concept, principles and practices of financial management.</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Sales Management</td>
<td>UBCTE-610</td>
<td>To train students in the methods of sales management and to provide knowledge about the basic functions of sales force management.</td>
<td>Students will able to describe and formulate strategies to effectively manage company’s sales operations.</td>
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<tr>
<td>Semester</td>
<td>Course Code</td>
<td>Course Title</td>
<td>Course Outcomes</td>
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<tr>
<td>1&lt;sup&gt;st&lt;/sup&gt;</td>
<td>UDGTC 101</td>
<td>Dogri Core</td>
<td>The students will be able to recognize poetry from a variety of cultures, languages and historic periods and students' understanding of the human conditions to convey personal, social and cultural meaning through drama.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UDGTS 101</td>
<td>Dogri Bhasha</td>
<td>The Students will be able to know the various methods to the study of language and understand the communication process and method.</td>
<td></td>
</tr>
<tr>
<td>2&lt;sup&gt;nd&lt;/sup&gt;</td>
<td>UDGTC201</td>
<td>Dogri Core</td>
<td>Essay may help motivate students to know about the dogra cultural heritages, social issues, and many other topics. Reading novels offers students the opportunity to develop wisdom.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UDGTS201</td>
<td>Bhasha Te lippi</td>
<td>Students will be able to understand the languages' origin and development of dogri.</td>
<td></td>
</tr>
<tr>
<td>3&lt;sup&gt;rd&lt;/sup&gt;</td>
<td>UDGTC301</td>
<td>Dogri Poetry</td>
<td>Students will be able to know the information about the history of literature and poetry, develop the student power of imagination.</td>
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<tr>
<td></td>
<td>UDGTS302</td>
<td>Translation</td>
<td>Student good gain the knowledge about the translation in literature and other problems related to translation.</td>
<td></td>
</tr>
<tr>
<td>4&lt;sup&gt;th&lt;/sup&gt;</td>
<td>UDGTC401</td>
<td>Dogri Short Story</td>
<td>Student will be able to understand the thought of writers, story elements, and students gain knowledge about the development of dogri short stories.</td>
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<tr>
<td></td>
<td>UDGTS402</td>
<td>Journalism</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>5&lt;sup&gt;th&lt;/sup&gt;</td>
<td>UDGTS501</td>
<td>Dogri Dhawani Vichar</td>
<td>Students will be able to understand the linguistics as a scientific discipline and learn about dogri phonetics.</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Course Outcomes</td>
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<tr>
<td>UDGTS502</td>
<td>Dogri Bhasha Shikshan</td>
<td>Student will be able to understand reading, writing, listening and communication skills.</td>
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<tr>
<td>UDGTE503</td>
<td>Duggar Sanskriti</td>
<td>Student will get the knowledge about dogra cultural (Custom, Tradition, Lifestyle, Belief etc).</td>
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<tr>
<td>UDGTE505</td>
<td>Dogri Lok Sahitya</td>
<td>Student would be acquainted with the concept folk literature and to know the co relations between folk literature and its other branches.</td>
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<tr>
<td>UDGTS601</td>
<td>Dogri Vakaya Vishleshan</td>
<td>The student will be able to know about the classification basic clause type in dogri language.</td>
<td></td>
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<tr>
<td>UDGTS602</td>
<td>Rachnatmak Lekhan</td>
<td>Student will be able to analyses and critique the quality of literally generals and presses , as well as the work of particular writes .</td>
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</tbody>
</table>
| UDGTE603   | Dogri Sonnet te Natak     | Student will be able to know about the life history of poet and understand the feeling in soonet. Drama  
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**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Course Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>UECTC :101</td>
<td>Principles of Microeconomics</td>
<td>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.</td>
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<tr>
<td></td>
<td>Course Code</td>
<td>Course Title</td>
<td>Description</td>
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<tr>
<td>2^{nd}</td>
<td>UECTC:201</td>
<td>Principles of Microeconomics 2</td>
<td>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.</td>
</tr>
<tr>
<td>3^{rd}</td>
<td>UECTC:301</td>
<td>Principles of Macroeconomics 1</td>
<td>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 allowing students to understand the process by which the levels of economic activity, employment and rate of interest are jointly determined and how income affect consumption of the individual.</td>
</tr>
<tr>
<td>4^{th}</td>
<td>UECTC:401</td>
<td>Principles of Macroeconomics 2</td>
<td>This subject allowing 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 economy will attain equilibrium in money market.</td>
</tr>
<tr>
<td>5^{th}</td>
<td>UECTE:501</td>
<td>Money and Banking</td>
<td>It helps students to understand evolution of money and what is the relation between quantity of money and value of money. Also the framework is used to examine how policies set by central bank and government affect the economy. It also allowing students to understand meaning and functions of commercial bank.</td>
</tr>
<tr>
<td>6^{th}</td>
<td>UECTE:601</td>
<td>Quantitative Methods in Economics</td>
<td>Understand and use statistical techniques to solve the problem in economics such as profit maximization by 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.</td>
</tr>
<tr>
<td>5^{th}</td>
<td>NCBCS</td>
<td>Money, Banking, Public Finance and International Trade</td>
<td>Students will be able to understand the meaning and functions of central bank 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 impact producers and consumers of the country.</td>
</tr>
<tr>
<td>6^{th}</td>
<td>NCBCS</td>
<td>Development Economics</td>
<td>Students will be able to understand fiscal, economic and social conditions in underdeveloped countries. PQLI and HDI considers</td>
</tr>
</tbody>
</table>
### COURSE OUTCOMES OF EDUCATION

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>COURSE CODE</th>
<th>COURSE TITLE</th>
<th>COURSE OUTCOME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UEDTC 101</td>
<td>Education and Society</td>
<td>It will help in comprehensive evolution of fundamentals of education- as a discipline- among the students. 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. 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. 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.</td>
</tr>
<tr>
<td>2</td>
<td>UEDTC 201</td>
<td>Educational Psychology and Statistics</td>
<td>It will enable the students to understand the meaning and relationship between education and psychology. It acquaint the students with the use of statistics in educational situations and develop skills of graphic representations.</td>
</tr>
<tr>
<td>3</td>
<td>UEDTC 301</td>
<td>Education in Modern India</td>
<td>It wills 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. 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. Help to understand the concepts and relevance of Teacher Education, Evaluation, Assessment and Certification in quality education.</td>
</tr>
<tr>
<td>3</td>
<td>UEDTS 302</td>
<td>Skill Enhancement Course Guidance and counselling</td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>-----------</td>
<td>--------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Enable the students to understand the concepts and differences between guidance and counselling.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acquaint them with the guidance and counselling services</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>UEDTC 401</td>
<td>Psychological formation of Education</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aware the students to understand the stages of growth and development, concept of personality and methods of studying human behaviour.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>UEDTE 501</td>
<td>Principles and issues of education</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>It shall sharpen the understanding of the discipline through different perspectives.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>It shall enrich the knowledge base through the blend of different philosophies sharpening knowledge base of the students.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Abreast the students about the works of different educational thinker’s thereby evolving research based thinking.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Appraise the students with major issues in education and using their knowledge to find solution thereof.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aware the students about the recent trends in Education and increase their analytic skills</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>UEDTC 601</td>
<td>Development of Educational system in India</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B.A SEM 5TH</th>
<th>COURSE NO UEDTS 502</th>
<th>Skill Enhancement Course In Education SPECIAL EDUCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>To enable the students to understand the nature of Special Education’</td>
</tr>
<tr>
<td></td>
<td></td>
<td>To make students understand the concept and types of different types of special childrens</td>
</tr>
<tr>
<td>B.A SEM 5TH</td>
<td>COURSE NO UEDGE 503</td>
<td>Generic Course in Education BASICS OF EDUCATION</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------------</td>
<td>--------------------------------------------------</td>
</tr>
</tbody>
</table>
| B.A SEM 5TH NON CBCS | COURSE NO ED-501 | Principles and issues of Education | • Appraise the students with major issues in education and using their knowledge to find solution thereof.  
Aware the students about the recent trends in Education and increase their analytic skills |
| 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.

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

B.A./B.Sc. semester I(Geography) Course Code/No. : UGOPE-102(Practical Core)
<table>
<thead>
<tr>
<th>Title</th>
<th>Course/ Name of the Title</th>
<th>Course Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cartography</td>
<td>Introduction to Cartography</td>
<td>Introduction nature and scope of cartography, history of cartography</td>
</tr>
<tr>
<td>Types of Maps, Scale and types</td>
<td>maps, classification types, history of map making, scale and types of scales</td>
<td></td>
</tr>
<tr>
<td>Representation of relief features, Contures</td>
<td>Qualitative and quantitative methods of representation of relief features, contours</td>
<td></td>
</tr>
<tr>
<td>Profiles</td>
<td>Significance of profile. Method of drawing profiles, types of profiles</td>
<td></td>
</tr>
</tbody>
</table>

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.

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

B.A./B.Sc. semester III Geography) Course Code/No.: UGOPC-302 (Practical Core)

<table>
<thead>
<tr>
<th>Title</th>
<th>Course/ Name of the Title</th>
<th>Course Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Map Projections</td>
<td>Introduction of Map, Globe and Map projections</td>
<td>To know the difference between map and globe and need of map projection.</td>
</tr>
<tr>
<td>General principles of map projection</td>
<td>Student will have knowledge about principles to reduce errors in projection.</td>
<td></td>
</tr>
<tr>
<td>Choice of map projection</td>
<td>Choice of projection depending on areas to be shown on map.</td>
<td></td>
</tr>
</tbody>
</table>
### B.A./B.Sc. semester III (Geography)

**Course Code/No.:** UGOPS-303 (Skill Enhancement)

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

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

### 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.

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

### B.A./B.Sc. semester V (Geography)

**Course Code/No.:** UGPC-502 (Practical Core)

<table>
<thead>
<tr>
<th>Title</th>
<th>Course/ Name of the Title</th>
<th>Course Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Map Projections</td>
<td>Introduction of Map, Globe and Map</td>
<td>To know the difference between map and globe and need of map projection.</td>
</tr>
<tr>
<td>projections</td>
<td>General principles of map projection</td>
<td>Student will have knowledge about principles to reduce errors in projection.</td>
</tr>
<tr>
<td>Title</td>
<td>Course/ Name of the Title</td>
<td>Course Outcomes</td>
</tr>
<tr>
<td>--------------------------</td>
<td>---------------------------------------------------</td>
<td>--------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Choice of map projection</td>
<td>Choice of projection depending on areas to be shown on map.</td>
<td></td>
</tr>
<tr>
<td>Types of map projection</td>
<td>Types of map projection based on method of construction, purpose, use of light etc</td>
<td></td>
</tr>
</tbody>
</table>

B.A./B.Sc. semester V(Geography). Course Code/No.: UGOPS-503(Skill Enhancement)
Objective: to aware the students in geography of tourism.

<table>
<thead>
<tr>
<th>Title</th>
<th>Course/ Name of the Title</th>
<th>Course Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geography of Tourism</td>
<td>Concept of Geography of Tourism</td>
<td>introduction to geography of tourism and tourism scenario,</td>
</tr>
<tr>
<td></td>
<td>Types of Tourism</td>
<td>Natural tourism, pilgrimage tourism, medical tourism, ecotourism,</td>
</tr>
<tr>
<td></td>
<td>Recent Trends in Geography of Tourism</td>
<td>Development of tourism, ecotourism,</td>
</tr>
<tr>
<td></td>
<td>Tourism in J&amp;K and India</td>
<td>Tourism destination and economic contribution by tourism in J&amp;k and India</td>
</tr>
</tbody>
</table>

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.

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Nature of Course</th>
<th>Course Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>UHSTC-101</td>
<td>ANCIENT INDIA</td>
<td>CORE</td>
<td>Understanding political, social, economic, and religious developments from rise of Vedic civilization up to reign of Harshvardhana.</td>
</tr>
<tr>
<td>2nd</td>
<td>UHSTC201</td>
<td>EARLY MEDIEVAL INDIA</td>
<td>CORE</td>
<td>Understanding foundation of Delhi Sultanate and Sultanate administration.</td>
</tr>
<tr>
<td>3rd</td>
<td>UHSTC301</td>
<td>MODERN INDIA</td>
<td>CORE</td>
<td>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.</td>
</tr>
<tr>
<td>3rd</td>
<td>UHSTS302</td>
<td>HISTORY AND TOURISM</td>
<td>SEC</td>
<td>Highlighting significance of Tourism from viewpoint of Historical and Cultural heritage and Understanding tangible and intangible heritage.</td>
</tr>
<tr>
<td>4th</td>
<td>UHSTS402</td>
<td>AN INTRODUCTION TO ARCHAEOLOGY</td>
<td>SEC</td>
<td>Promoting the education of archaeology in public and understanding various kinds of archaeology and excavation methods, evaluating important archaeological sites.</td>
</tr>
<tr>
<td>5th</td>
<td>UHTTS-501</td>
<td>Archives and Museums</td>
<td>SEC</td>
<td>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.</td>
</tr>
<tr>
<td>5th</td>
<td>UHTTE-502</td>
<td>History of Modern Europe Till 1870</td>
<td>DSE</td>
<td>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.</td>
</tr>
<tr>
<td>5th</td>
<td>UHTTE-503</td>
<td>The History of India from Earliest Times</td>
<td>GENERIC</td>
<td>Understanding Pre historical and Proto historical developments of the past and</td>
</tr>
</tbody>
</table>
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 18th century with respect to Independent states and establishment of colonial power, Causes, Nature, and results of revolt of 1857, Socio-religious reform movements in 19th century, emergence and growth of nationalism and attainment of freedom.

**Course Outcome of Mathematics**

<table>
<thead>
<tr>
<th>Semest er</th>
<th>Course No.</th>
<th>Title</th>
<th>Credit s</th>
<th>Nature of course</th>
<th>Course Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>UMTTC101</td>
<td>DIFFERENTIAL CALCULUS</td>
<td>06</td>
<td>CORE</td>
<td>Students acquires 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.</td>
</tr>
<tr>
<td>II</td>
<td>UMTTC201</td>
<td>DIFFERENTIAL EQUATIONS</td>
<td>06</td>
<td>CORE</td>
<td>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 2nd and 3rd with constant coefficients.</td>
</tr>
<tr>
<td>III</td>
<td>UMTTC301</td>
<td>REAL ANALYSIS</td>
<td>06</td>
<td>CORE</td>
<td>Students have the basic knowledge of 1.basic properties of the field of real numbers, R as a complete ordered field, countable and uncountable sets etc. 2. sequence of real numbers and their</td>
</tr>
<tr>
<td>Semester</td>
<td>Course Code</td>
<td>Course Title</td>
<td>Level</td>
<td>Skill Enhancement</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
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</tr>
<tr>
<td>III</td>
<td>UMTTS302</td>
<td>LOGIC AND SETS</td>
<td>04</td>
<td>SKILL Enhancement</td>
<td>Students gain basic knowledge of logic, sets and relations, i.e., this is an introductory basic course in logic and sets.</td>
</tr>
<tr>
<td>III</td>
<td>UMTTS303</td>
<td>ANALYTIC GEOMETRY</td>
<td>04</td>
<td>SKILL Enhancement</td>
<td>Students get basics of analytic geometry (e.g., parabola, hyperbola, ellipse, cone, cylinder etc.)</td>
</tr>
<tr>
<td>III</td>
<td>UMTTS304</td>
<td>INTEGRAL CALCULUS</td>
<td>04</td>
<td>SKILL Enhancement</td>
<td>Students have the knowledge of basics of integral calculus</td>
</tr>
<tr>
<td>IV</td>
<td>UMTTC401</td>
<td>ALGEBRA</td>
<td>06</td>
<td>CORE</td>
<td>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.</td>
</tr>
<tr>
<td>IV</td>
<td>UMTTS402</td>
<td>VECTOR CALCULUS</td>
<td>04</td>
<td>SKILL Enhancement</td>
<td>Students earn a basic knowledge of vector calculus</td>
</tr>
<tr>
<td>IV</td>
<td>UMTTS403</td>
<td>THEORY OF EQUATIONS</td>
<td>04</td>
<td>SKILL Enhancement</td>
<td>Students come to have a knowledge of foundations of theory of equations</td>
</tr>
<tr>
<td>IV</td>
<td>UMTTS404</td>
<td>NUMBER THEORY</td>
<td>04</td>
<td>SKILL Enhancement</td>
<td>Students have awareness of some basics concepts of number theory</td>
</tr>
<tr>
<td>V</td>
<td>UMTTE501</td>
<td>MATRICES</td>
<td>06</td>
<td>DSE</td>
<td>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.</td>
</tr>
<tr>
<td>V</td>
<td>UMTTE502</td>
<td>MECHANICS</td>
<td>06</td>
<td>DSE</td>
<td>Students have a knowledge of basic probability and probability distributions</td>
</tr>
<tr>
<td>V</td>
<td>UMTTE503</td>
<td>LINEAR ALGEBRA</td>
<td>06</td>
<td>DSE</td>
<td>Students earn a basic knowledge of portfolio optimization/financial markets</td>
</tr>
<tr>
<td>V</td>
<td>UMTTS504</td>
<td>PROBABILITY AND STATISTICS</td>
<td>04</td>
<td>SKILL Enhancement</td>
<td>Students have awareness of some basics</td>
</tr>
</tbody>
</table>
### Course outcome of Philosophy

**Name of the courses with their course outcomes of Philosophy**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Number</th>
<th>Course Title</th>
<th>Nature of Course</th>
<th>Course Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>UPLTC101</td>
<td>Introduction to Philosophy</td>
<td>CORE</td>
<td>Students get to learn the definitional understanding of Philosophy and its different subfields</td>
</tr>
<tr>
<td>II</td>
<td>UPLTC201</td>
<td>Social and Political Philosophy</td>
<td>CORE</td>
<td>After studying this paper students grasp the fundamental</td>
</tr>
<tr>
<td>III</td>
<td>UPHTC 301</td>
<td>Western Philosophical Thought</td>
<td>CORE</td>
<td>One learns about the early Greek Philosophy followed by modern Philosophical approaches</td>
</tr>
<tr>
<td>III</td>
<td>UPHTS 302</td>
<td>Philosophical Tools and Techniques</td>
<td>S.E.C.</td>
<td>Here in this Paper students get to learn the basic tools which are actually the skills of debate in Philosophy</td>
</tr>
<tr>
<td>IV</td>
<td>UPHTC 401</td>
<td>Indian Philosophical Thought</td>
<td>CORE</td>
<td>Develops the understanding of Classical Indian Philosophy and classification different schools of Indian Philosophy.</td>
</tr>
<tr>
<td>IV</td>
<td>UPHTS 402</td>
<td>Introduction to Logic</td>
<td>S.E.C.</td>
<td>Gives elementary understanding of formal logic, connectives and</td>
</tr>
<tr>
<td>V</td>
<td>UPHTE 501</td>
<td>Philosophy of Religion</td>
<td>D.S.E.</td>
<td>Students are acquainted with philosophical issues of religion and different theories of evolution of religion</td>
</tr>
<tr>
<td>V</td>
<td>UPHTGE 503</td>
<td>Themes in Existentialism</td>
<td>G.E.</td>
<td>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</td>
</tr>
<tr>
<td>V</td>
<td>UPHTS 504</td>
<td>Ethics and Its Applications</td>
<td>S.E.C.</td>
<td>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.</td>
</tr>
<tr>
<td>VI</td>
<td>UPHTE 602</td>
<td>Modern Indian</td>
<td>D.S.E.</td>
<td>The course imparts the understanding of</td>
</tr>
</tbody>
</table>

concepts viz. liberty, equality, justice, democracy.
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.

<table>
<thead>
<tr>
<th>VI</th>
<th>UPHTGE 603</th>
<th>Themes in Political Philosophy</th>
<th>G.E.</th>
<th>Imparts about the debates in Political Philosophy particularly democracy, justice, secularism, gender equality etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VI</td>
<td>UPHTS 604</td>
<td>Indian Yogic Traditions</td>
<td>S.E.C.</td>
<td>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.</td>
</tr>
</tbody>
</table>

**Course Outcome of Physics**

B.Sc. Semester – I (Physics)  
Course Code/No.: UPHTC101

<table>
<thead>
<tr>
<th>Title</th>
<th>Content of the Course</th>
<th>Educational Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanics, oscillations and Relativity</td>
<td>1. Mechanics</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>2. Oscillations</td>
<td>Students get the basic knowledge of various types of oscillators (Undamped, Damped, Coupled &amp; forced Oscillators) and laws/Forces governing the oscillations.</td>
</tr>
<tr>
<td>B.Sc. Semester – I</td>
<td>Course: Physics (Practical)</td>
<td>Course Code/No.: UPHPC102</td>
</tr>
<tr>
<td>-------------------</td>
<td>-----------------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td><strong>Title</strong></td>
<td><strong>Content of the Course</strong></td>
<td><strong>Educational Outcome</strong></td>
</tr>
<tr>
<td>Practical</td>
<td>Syllabus comprise of experiments on Mechanics, Electricity &amp; Magnetism, vibration and waves.</td>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B.Sc. Semester – III (Physics)</th>
<th>Theory</th>
<th>Course Code/No.: UPHTC301</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Title</strong></td>
<td><strong>Content of the Course</strong></td>
<td><strong>Educational Outcome</strong></td>
</tr>
<tr>
<td>Electronics, Thermodynamics and Statistical Mechanics</td>
<td>1. Electronics</td>
<td>Students get the knowledge of electronics &amp; electronic (Semiconductor) devices such as diodes, transistors, filters, rectifiers, logic gates etc.</td>
</tr>
<tr>
<td></td>
<td>2. Thermodynamics</td>
<td>Students get awareness about the various thermodynamic phenomenon and laws. Methods to produce low temperature using the concepts of thermodynamics and conversation of temperature difference into useful work.</td>
</tr>
<tr>
<td></td>
<td>3. Statistical Mechanics</td>
<td>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</td>
</tr>
</tbody>
</table>
### B.Sc. Semester – III  
**Course: Physics (Practical)**  
**Course Code/No.:** UPHPC302

<table>
<thead>
<tr>
<th>Title</th>
<th>Content of the Course</th>
<th>Educational Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practical</td>
<td>Experiments on diodes, rectifier, logic Gates, refractive index, doubly refracted crystals/Prism</td>
<td>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.</td>
</tr>
</tbody>
</table>

### B.Sc. Semester – V (Physics)  
**Theory**  
**Course Code/No.:** UPYTE-501

<table>
<thead>
<tr>
<th>Title</th>
<th>Content of the Course</th>
<th>Educational Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modern Physics</td>
<td>1. Quantum Mechanics</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>2. Atomic Physics</td>
<td>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</td>
</tr>
<tr>
<td></td>
<td>3. Nuclear Physics</td>
<td>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.</td>
</tr>
</tbody>
</table>

### B.Sc. Semester – V  
**Course: Practical (Physics)**  
**Course Code/No.:** UPYTE-502

<table>
<thead>
<tr>
<th>Title</th>
<th>Content of the Course</th>
<th>Educational Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practical</td>
<td>Experiments on the topic</td>
<td>Students were abreast about the handling and usage of various</td>
</tr>
</tbody>
</table>
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.

### Course Outcome of Political Science

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course code</th>
<th>Course Title</th>
<th>Course Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>3rd (DSE)</td>
<td>UPSTC-301</td>
<td>Western Political Thought</td>
<td>Students understand the political thoughts of Plato, Aristotle, Machiavelli and J.S.Mill and the relevance of their political philosophies in the contemporary times.</td>
</tr>
<tr>
<td>3rd (Skill)</td>
<td>UPSTS-302</td>
<td>Legislative support</td>
<td>Student understands the working of the parliament of India, its devices, committees, budgetary process and role of mass media in governance.</td>
</tr>
<tr>
<td>4th (DSE)</td>
<td>UPSTC-401</td>
<td>Comparative politics</td>
<td>Students gain the knowledge about the various structures, functions, and processes of different countries in a comparative analysis form.</td>
</tr>
<tr>
<td>4th (Skill)</td>
<td>UPSTS-402</td>
<td>State, Citizenship and rights in India</td>
<td>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.</td>
</tr>
<tr>
<td>5th (DSE)</td>
<td>UPSTE-501</td>
<td>International politics</td>
<td>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</td>
</tr>
<tr>
<td>Semester</td>
<td>Course Code</td>
<td>Course Title</td>
<td>Course Outcomes</td>
</tr>
<tr>
<td>----------</td>
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</tr>
<tr>
<td>5th (Skill)</td>
<td>UPSTS-503</td>
<td>Functioning of administrative structure in India</td>
<td>Students learn and understand the functioning of administrative structures in India - both at the central and state levels.</td>
</tr>
<tr>
<td>6th (DSE)</td>
<td>UPSTE-601</td>
<td>Government and politics in Jammu &amp; Kashmir</td>
<td>Student learns the genesis of the process of establishment of J&amp;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&amp;K and the role of national and regional political parties in the politics of J&amp;K.</td>
</tr>
<tr>
<td>6th (Skill)</td>
<td>UPSTS-603</td>
<td>Politics and Journalism</td>
<td>Students know the role of Journalism in the domain of politics and vice versa.</td>
</tr>
</tbody>
</table>

### Course Outcomes of Punjabi

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Course Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>UDGTC 101</td>
<td>Dogri Core</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>UDGTS 101</td>
<td>Dogri Bhasha</td>
<td>The Students will be able to know the various methods to the study of language and understand the communication process and method.</td>
</tr>
<tr>
<td>2nd</td>
<td>UDGTC201</td>
<td>Dogri core</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>UDGTS201</td>
<td>Bhasha Te lippi</td>
<td>Students will be able to understand be languages origin and development of dogri.</td>
</tr>
<tr>
<td>Semester</td>
<td>Course Code</td>
<td>Course Title</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>--------------</td>
<td>-------------</td>
</tr>
<tr>
<td>3rd</td>
<td>UDGTC301</td>
<td>Dogri Poetry</td>
<td>Students will be able to know the information about the history of literature and poetry develop the student power of imagination.</td>
</tr>
<tr>
<td></td>
<td>UDGTS302</td>
<td>Translation</td>
<td>Student good gain the knowledge about the translation in literature and other problems related to translation.</td>
</tr>
<tr>
<td>4th</td>
<td>UDGTC401</td>
<td>Dogri Short Story</td>
<td>Student will be able to understand the thought of writers, story elements and student gain knowledge about the development of dogri short stories.</td>
</tr>
<tr>
<td></td>
<td>UDGTS402</td>
<td>Journalism</td>
<td>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.</td>
</tr>
<tr>
<td>5th</td>
<td>UDGTC501</td>
<td>Dogri Dhawani Vichar</td>
<td>Students will be able to understand the linguistics as a scientific discipline and learn about dogri phonetics.</td>
</tr>
<tr>
<td></td>
<td>UDGTS502</td>
<td>Dogri Bhasha Shikshan</td>
<td>Student will be able to understand reading, writing, listening and communication skills.</td>
</tr>
<tr>
<td></td>
<td>UDGTE503</td>
<td>Duggar Sanskriti</td>
<td>Student will get the knowledge about dogra cultural (Custom, Tradition, Lifestyle, Belief etc).</td>
</tr>
<tr>
<td></td>
<td>UDGTE505</td>
<td>Dogri Lok Sahitya</td>
<td>Student would be acquainted with the concept folk literature and to know the co relations between folk literature and its other branches.</td>
</tr>
<tr>
<td>6th</td>
<td>UDGTS601</td>
<td>Dogri Vakaya Vishleshan</td>
<td>The student will be able to know about the classification basic clause type in dogri language.</td>
</tr>
<tr>
<td></td>
<td>UDGTS602</td>
<td>Rachnatmak Lekhan</td>
<td>Student will be able to analyses and critique the quality of literally generals and presses, as well as the work of particular writes.</td>
</tr>
<tr>
<td>Course Outcome of Sanskrit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semester</strong></td>
<td><strong>Course Title</strong></td>
<td><strong>Course Code</strong></td>
<td><strong>Nature of Course</strong></td>
</tr>
<tr>
<td>1st</td>
<td>Katha Sahitya Evam Vyakaran</td>
<td>USATC101</td>
<td>To provide knowledge about Pancharatna &amp; Sanskrit Grammar e.g. Shabd Roop, Dhaatu Roop, Sandhi etc.</td>
</tr>
<tr>
<td>2nd</td>
<td>Natya Evam Natya Shastra</td>
<td>USATC201</td>
<td>To provide knowledge about &quot;SAHITYADARPAN&quot; and famous Drama of Sanskrit &quot;SWAPANVASVADATTAM &quot;.</td>
</tr>
<tr>
<td><img src="https://www.example.com" alt="" /></td>
<td>Sanskrit Gadya Evam Padya Sahitya Ka Itihas</td>
<td>USATC301</td>
<td>To provide knowledge about ancient Niti Literature.</td>
</tr>
<tr>
<td>3rd</td>
<td>Basic Elements of Jyotisha (SEC)</td>
<td>USATS302</td>
<td>To provide a basic knowledge of Jyotishavigyan.</td>
</tr>
<tr>
<td>4th</td>
<td>Shreemadbhagwad Geeta Bhasha Vigyan Evam Vyakaran</td>
<td>USATC401</td>
<td>To provide a basic knowledge of Vedic Sanskrit, Paali, Prakrit etc. and Shreemadbhagwad Geeta.</td>
</tr>
<tr>
<td>IVth</td>
<td>Indian Architecture (SEC)</td>
<td>USATS402</td>
<td>To provide a basic knowledge of Vastushastra.</td>
</tr>
<tr>
<td>------</td>
<td>--------------------------</td>
<td>----------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>Vth</td>
<td>Laukik Sanskrit Sahitya Ka Itihas (DSE)</td>
<td>USATE501</td>
<td>To provide a basic knowledge of Ramayana, Mahabharata, Purana.</td>
</tr>
<tr>
<td>Vth</td>
<td>Laukik Sanskrit Sahitya Evam Vyakaran (GE)</td>
<td>USATE503</td>
<td>To provide a basic knowledge of Ramayana, Mahabharata, Purana.</td>
</tr>
<tr>
<td>Vth</td>
<td>Basic Elements of Ayurveda (SEC)</td>
<td>USATS504</td>
<td>To provide a basic knowledge of Charaksanhita and its relevance in Modern time.</td>
</tr>
<tr>
<td>VIth</td>
<td>Ethical and Moral Issues in Sanskrit Literature (DSE)</td>
<td>USATE601</td>
<td>To provide a basic knowledge of four Vedas and importance of rigveda’s suktas.</td>
</tr>
</tbody>
</table>
The importance of earth through “PRITHVI SUKTA OF ATHARVVEDA.”

Its aim to acquaint the students with most famous drama of KAALIDASS, which not only reflect poetic excellence but also highlight human values.

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course code</th>
<th>Course Title</th>
<th>Course Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>USOTC101</td>
<td>Introduction to Sociology</td>
<td>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</td>
</tr>
<tr>
<td>II</td>
<td>USOTC201</td>
<td>Society in India</td>
<td>Students will be acquainted with the distinctive features of Indian society with special reference to the Tribal, Rural and Urban Communities.</td>
</tr>
<tr>
<td>III</td>
<td>USOTC301</td>
<td>Foundations of Sociological Thought</td>
<td>Students will gain knowledge regarding the history of Sociological theories and will be able to understand the contribution of pioneers of Sociology.</td>
</tr>
<tr>
<td>III (Skill)</td>
<td>USOTS302</td>
<td>Gender Sensitization</td>
<td>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</td>
</tr>
</tbody>
</table>
and integrate a gender perspective in work and life.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV USOTC401</td>
<td>Indian Society- Issues and Problems</td>
<td>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.</td>
</tr>
<tr>
<td>IV (Skill) USOTS402</td>
<td>Quantitative Research Methods</td>
<td>The skill of the students will be enhanced to understand and use quantitative techniques employed by social scientists to investigate social phenomenon.</td>
</tr>
<tr>
<td>V(DSE) USOTE-502</td>
<td>Tribal Society in India</td>
<td>Students will be acquainted with the characteristics of tribe and their relationship with different institutions, tribal problems and issues and welfare programmes.</td>
</tr>
<tr>
<td>V (Skill) USOTS-501</td>
<td>Qualitative Research</td>
<td>Students will be introduced to various components of Qualitative research, various qualitative methods and techniques.</td>
</tr>
<tr>
<td>V (Generic) USOTE-503</td>
<td>Understanding Sociology</td>
<td>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</td>
</tr>
<tr>
<td>VI (Skill) USOTS-601</td>
<td>Social Demography</td>
<td>Students will be able to understand the social demography, the demographic process and approaches to the study of population.</td>
</tr>
<tr>
<td>VI (DSE) USOTE-602</td>
<td>Social Change Development and Globalization</td>
<td>Students will be familiarized with the concept and theories of social change and various aspects of development and globalization.</td>
</tr>
<tr>
<td>VI (Generic) USOTE-603</td>
<td>Issues and Problems in Indian Society</td>
<td>Students will be introduced to the various social problems in the Indian society and the challenges that emerge out of it.</td>
</tr>
</tbody>
</table>
# Course Outcome of Zoology

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course code</th>
<th>Course Title</th>
<th>Nature of Course</th>
<th>Course Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td></td>
<td>Animal Diversity</td>
<td>Core</td>
<td>Students get and understanding of vertebrates and invertebrates. Students know about the characteristics features of different Phyla.</td>
</tr>
<tr>
<td>II</td>
<td></td>
<td>Comparative Anatomy and Developmental Biology of Vertebrates</td>
<td>Core</td>
<td>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.</td>
</tr>
<tr>
<td>III</td>
<td></td>
<td>Physiology and Biochemistry</td>
<td>Core</td>
<td>Student understands the structure and function of various system of animal body to know about the importance of Biomolecules and Biochemical pathways</td>
</tr>
<tr>
<td>III</td>
<td></td>
<td>Apiculture</td>
<td>SEC</td>
<td>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</td>
</tr>
<tr>
<td>IV</td>
<td></td>
<td>Principles of Genetics and Evolutionary Biology</td>
<td>Core</td>
<td>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.</td>
</tr>
<tr>
<td>IV</td>
<td></td>
<td>Aquarium Fish Keeping</td>
<td>SEC</td>
<td>Renders the understanding of history, method of fish keeping and also aid students with the skill</td>
</tr>
</tbody>
</table>
of fish keeping which can be one of the prospective of self employment.

<table>
<thead>
<tr>
<th>Year</th>
<th>Course</th>
<th>Department</th>
<th>Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>Applied Zoology</td>
<td>DSE</td>
<td>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.</td>
</tr>
<tr>
<td>V</td>
<td>Public Health and Hygiene</td>
<td>SEC</td>
<td>Students get awared about personal health and hygiene alongwith the grasp of communicable and non-communicable diseases and preventing measures of the same.</td>
</tr>
<tr>
<td>VI</td>
<td>Insect Vectors and Diseases</td>
<td>DSE</td>
<td>Learners get the knowledge of vectors of insects, disease caused by them and preventing measures of the diseases caused.</td>
</tr>
<tr>
<td>VI</td>
<td>Sericulture</td>
<td>SEC</td>
<td>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.</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>COURSE TITLE/COURSE CODE</td>
<td>NATURE OF COURSE</td>
<td>COURSE OUTCOME</td>
</tr>
<tr>
<td>----------</td>
<td>--------------------------</td>
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</tr>
<tr>
<td>IST</td>
<td>Ghazal, Nazam and Afsana-UURET-101</td>
<td>Core Urdu</td>
<td>The students learns and understand the origin, development and importance of Urdu language and Literature</td>
</tr>
<tr>
<td>IIIND</td>
<td>Nazam and Origin of Urdu Language –UURET-201</td>
<td>Core Urdu</td>
<td>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.</td>
</tr>
<tr>
<td>IIIRD</td>
<td>Study of Qasida, Marsiya and Drama-UURT-301</td>
<td>Core Urdu</td>
<td>The course helps in making the students fully conversant with the respective genre of Urdu literature i.e. Qasida, Marsiya and Drama</td>
</tr>
<tr>
<td>IVTH</td>
<td>Study of Masnavi and Inshaiya-UURET-401</td>
<td>Core Urdu</td>
<td>The course provides comprehensive knowledge of beginning and development of Masnavi and Inshaiya in Urdu language.</td>
</tr>
<tr>
<td>VTH</td>
<td>Ghazal, Nazam and Novel-UURET-501</td>
<td>Core Urdu</td>
<td>The course provides knowledge of Medieval Ghazal, Pre-independence Nazam and Urdu Novel.</td>
</tr>
<tr>
<td>VITH</td>
<td>Literature and Criticism-UURET-601</td>
<td>Core Urdu</td>
<td>The course provides knowledge of Literary criticism and history of Urdu literature to the students.</td>
</tr>
<tr>
<td>IST</td>
<td>Urdu Communication-UURTC-01</td>
<td>AECC</td>
<td>It helps the students to know and understand the origin, development and importance of Urdu language and literature.</td>
</tr>
<tr>
<td>IIIND</td>
<td>Urdu Communication-UURTC-02</td>
<td>AECC</td>
<td>TO enable students to know and understand the origin, development and importance of Urdu language and literature by reading the works of writers.</td>
</tr>
<tr>
<td>IVTH</td>
<td>Urdu Language and Essay Writing-UURTS-503</td>
<td>AECC</td>
<td>This course provides knowledge to students about Afsana and Essay writing.</td>
</tr>
<tr>
<td>IVTH</td>
<td>Fort William College, Urdu Ghazal and Translation-UURTS-603</td>
<td>AECC</td>
<td>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.</td>
</tr>
<tr>
<td>IIIRD</td>
<td>Translation and language Skills–UURTS-302</td>
<td>SEC</td>
<td>This course helps the students to understand the various techniques</td>
</tr>
</tbody>
</table>

| COURSE OUTCOME OF URDU |

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

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

### English (Core)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Nature of Course</th>
<th>Course Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>UENTC-101</td>
<td>English</td>
<td>Core Course</td>
<td>To introduce the students to different genres such as prose, drama, and essay. It also gives knowledge about basics of grammar.</td>
</tr>
<tr>
<td>II</td>
<td>UENTC-201</td>
<td>English</td>
<td>Core Course</td>
<td>To introduce the nuances of pronunciation through syllables and word stress.</td>
</tr>
<tr>
<td>III</td>
<td>UENTC-301</td>
<td>English</td>
<td>Core Course</td>
<td>Knowing how to write effective reports and documentation.</td>
</tr>
<tr>
<td>IV</td>
<td>UENTC-401</td>
<td>English</td>
<td>Core Course</td>
<td>Learning to critically analyze drama and poetry, in an effective manner. It also improves student’s grammar skills.</td>
</tr>
<tr>
<td>V</td>
<td>UENTC-504</td>
<td>English Literature</td>
<td>Discipline Specific Elective</td>
<td></td>
</tr>
<tr>
<td>VI</td>
<td>UENTE-505</td>
<td>Indian Women Writings</td>
<td>Discipline Specific</td>
<td></td>
</tr>
<tr>
<td>Semester</td>
<td>Course Code</td>
<td>Course Title</td>
<td>Nature of Course</td>
<td>Course Outcome</td>
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</tr>
<tr>
<td>VII</td>
<td>UENTE-506</td>
<td>Ethical Competence Through Literature</td>
<td>Generic Elective</td>
<td>• To eliminate grammatical errors in speaking and writing.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• To help the learners attain the ability of communicating accurately and fluently.</td>
</tr>
<tr>
<td>VIII</td>
<td>UENTE-604</td>
<td>English Literature</td>
<td>Discipline Specific Elective</td>
<td></td>
</tr>
<tr>
<td>IX</td>
<td>UENTE-605</td>
<td>New Literature in English</td>
<td>Discipline Specific Elective</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>UENTE-606</td>
<td>Learning Life skills through literature.</td>
<td>Generic Elective</td>
<td></td>
</tr>
</tbody>
</table>

**Course outcome of Functional English**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Nature of Course</th>
<th>Course Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>UFETC-101</td>
<td>Functional English</td>
<td>Core Course</td>
<td>• To eliminate grammatical errors in speaking and writing.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• To help the learners attain the ability of communicating accurately and fluently.</td>
</tr>
<tr>
<td>II</td>
<td>UFETC-201</td>
<td>Functional English</td>
<td>Core Course</td>
<td>• To enhance the learners’ writing skills with the use of specific formats of written discourse.</td>
</tr>
<tr>
<td>III</td>
<td>UFETC-301</td>
<td>Functional English</td>
<td>Core Course</td>
<td>• To introduce situational specific conversational skills in English.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• To improve learners’ English language proficiency in social and work situations particularly in spoken interaction.</td>
</tr>
<tr>
<td>IV</td>
<td>UFETC-401</td>
<td>Functional English</td>
<td>Core Course</td>
<td>• To acquaint learners with different processes language use in TV and radio broadcasting.</td>
</tr>
<tr>
<td>V</td>
<td>UENTE-507</td>
<td>Functional English</td>
<td>Discipline Specific Elective</td>
<td>• To train students in using English language in news reading, announcing and reporting on TV and radio from a written script.</td>
</tr>
<tr>
<td>VI</td>
<td>UFETC-601</td>
<td>Functional English</td>
<td>Discipline Specific Elective</td>
<td>• To improve the vocalization style of speech delivery in English.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• To enhance the employability in the field of media and journalism.</td>
</tr>
</tbody>
</table>
## Course outcome of Communication English

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Nature of Course</th>
<th>Course Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>UCETS-101</td>
<td>Communicative English</td>
<td>Ability Enhancement</td>
<td>To enhance the communicative competence and practical application of language.</td>
</tr>
<tr>
<td>II</td>
<td>UCETS-201</td>
<td>Communicative English</td>
<td>Ability Enhancement</td>
<td>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.</td>
</tr>
<tr>
<td>III</td>
<td>UENTS-302</td>
<td>English for Ability Enhancement-I</td>
<td>Ability Enhancement</td>
<td>Developing reading, writing and speaking skills of learners.</td>
</tr>
<tr>
<td>IV</td>
<td>UENTS-402</td>
<td>English for Ability Enhancement-II</td>
<td>Ability Enhancement</td>
<td>To develop writing skills with a special focus of narration and word formation.</td>
</tr>
<tr>
<td>V</td>
<td>UENTS-501</td>
<td>English for Ability Enhancement-III</td>
<td>Ability Enhancement</td>
<td>To be able to understand the concept of different Philosophers.</td>
</tr>
<tr>
<td>VI</td>
<td>UENTS-601</td>
<td>English for Ability Enhancement-IV</td>
<td>Ability Enhancement</td>
<td>To develop listening skills and to have a clear understanding of correct usage of tenses and verbs.</td>
</tr>
<tr>
<td>Semester</td>
<td>Course Code</td>
<td>Course Title</td>
<td>Nature of Course</td>
<td>Course Outcome</td>
</tr>
<tr>
<td>----------</td>
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</tr>
<tr>
<td>1&lt;sup&gt;st&lt;/sup&gt;</td>
<td>UBCATC-101</td>
<td>Computer fundamentals</td>
<td>Core</td>
<td>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.</td>
</tr>
</tbody>
</table>
| 1<sup>st</sup> | UBCATC 102 | Problem solving using C-language            | Core             | 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<sup>nd</sup> | UBCATC 201 | Data and File Structures using C-language   | Core             | 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<sup>nd</sup> | 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, de-multiplexers, flip-flops, counters, registers. |
| 3<sup>rd</sup> | UBCATC-301 | Fundamentals of Operating System            | Core             | Upon completion of the course students will be able to:  
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. |
<table>
<thead>
<tr>
<th>3rd</th>
<th>UBCATC-302</th>
<th>Database Management System</th>
<th>Core</th>
<th>Understanding the core terms, concepts, and tools of relational database management systems. Understanding database design and logic development for database programming.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4th</td>
<td>UBCATC-401</td>
<td>Computer Networks and Internet</td>
<td>Core</td>
<td>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</td>
</tr>
<tr>
<td>4th</td>
<td>UBCATC-402</td>
<td>Object Oriented Programming using C++</td>
<td>Core</td>
<td>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</td>
</tr>
<tr>
<td>5th</td>
<td>UBCAPS-551</td>
<td>Android Programming</td>
<td>SEC</td>
<td>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.</td>
</tr>
<tr>
<td>5th</td>
<td>UBCAPS-552</td>
<td>Multimedia Computing</td>
<td>SEC</td>
<td>The student will be able to know the compression and decompression techniques along with the knowledge of various formats of files and their differences.</td>
</tr>
<tr>
<td>5th</td>
<td>UBCATE-501</td>
<td>VB .Net</td>
<td>DSE</td>
<td>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.</td>
</tr>
<tr>
<td>6th</td>
<td>UBCAPS- 650</td>
<td>Project</td>
<td>SEC</td>
<td>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</td>
</tr>
</tbody>
</table>

1) Explain the core concepts of the cloud
| 6th  | UBCATE-601 | Cloud Computing | DSE | 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  
2) Apply the fundamental concepts in datacenters to understand the tradeoffs in power, efficiency and cost  
3) Discuss system virtualization and outline its role in enabling the cloud computing system model |
| 6th  | UBCATE-602 | System Analysis & Design | DSE | Upon completion of this course, students will be able to: Know about the software product and process.  
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 |
| 6th  | UMTTE-601* | Numerical Methods | DSE | 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, |
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<tr>
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</thead>
</table>
| 1st      | UCATC-101   | Computer Fundamentals and IT tools               | Core             | 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 |
| 2nd      | UCATC-201   | Problem Solving using C language                 | Core             | 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' |
| 3rd      | UCATC-301   | Data and file structure using C language         | Core             | 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. |
| 4th      | UCATC-401   | Database Management System & SQL                 | Core             | 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. |
| 5th | UCATE-502 | Object Oriented Programming Using C++ | DSE | 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 |
| 6th | UCATE-601 | Networking and Internet | DSE | 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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Title of the Course</th>
<th>Course Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sem. I</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Theory</td>
<td>UMUTC-101</td>
<td>Theory of Indian Music (General) And biographies of Musicians.</td>
<td>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.</td>
</tr>
<tr>
<td>Practical</td>
<td>UMUPC-102</td>
<td>Stage performance and viva voce.</td>
<td>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.</td>
</tr>
<tr>
<td><strong>Sem. II</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Theory</td>
<td>UMUTC-201</td>
<td>Theory of Indian Music (General) And biographies of Musicians.</td>
<td>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.</td>
</tr>
<tr>
<td>Practical</td>
<td>UMUPC-202</td>
<td>Stage performance and viva voce.</td>
<td>It will enhance the listening, singing and playing quality of students.</td>
</tr>
<tr>
<td><strong>Sem. III</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Theory</td>
<td>UMUTC-301</td>
<td>Applied theory and History of Indian Music.</td>
<td>It will provide basic knowledge of the general terms used in Indian music and historical background of Indian classic music.</td>
</tr>
<tr>
<td>Practical</td>
<td>UMUPC-302</td>
<td>Stage performance and viva voce.</td>
<td>It will provide knowledge about swars, alankaars, laya, ragas and talas and other technical aspects related to stage performance.</td>
</tr>
<tr>
<td><strong>Sem. III</strong></td>
<td>Skill Enhancement Course</td>
<td>UPUPS-303</td>
<td>Value based and practical oriented courses. Indian music (vocal) and instrumental (sitar)</td>
</tr>
<tr>
<td>Sem. IV</td>
<td>Theory</td>
<td>UMUTC-401</td>
<td>Applied theory and History of Indian Music.</td>
</tr>
<tr>
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<td>---------------------------------------------</td>
</tr>
<tr>
<td>Theory</td>
<td>UMUTC-402</td>
<td>Stage performance and viva voce.</td>
<td>It will help students in formation of different Alankaars/Palatas by using different musical notes with different patterns.</td>
</tr>
<tr>
<td>practical</td>
<td>UMUPC-402</td>
<td>Stage performance and viva voce.</td>
<td></td>
</tr>
<tr>
<td>Sem. V</td>
<td>Theory</td>
<td>UMUTE-501</td>
<td>Technical Aspects and Study of Ragas and Talas of Indian Music.</td>
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<td>Theory</td>
<td>UMUTE-502</td>
<td>Stage performance and viva voce.</td>
<td>It will enhance the ability to recite alaap, bol alaap, taan, bol taan, sargam alap in prescribed Ragas and Talas with different layakaries.</td>
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<td>Stage performance and viva voce.</td>
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<td>Sem. V</td>
<td>Skill Enhancement Course</td>
<td>UMUPS-503</td>
<td>Value based and practical oriented courses. Indian music (vocal) and instrumental (sitar</td>
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<td>Theory</td>
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<td>Technical Aspects and Study of Ragas and Talas of Indian Music</td>
<td>It will provide information about the technical aspects of Indian classical music.</td>
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**Sem. V**

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<tr>
<th>Theory</th>
<th>MU-501</th>
<th>Indian Music- Applied theory and history of Indian Music.</th>
<th>It will help in understanding different singing styles and historical background of Indian classical music.</th>
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<td>Stage performance and viva voce.</td>
<td>It will enhance the ability to recite alaap, bol alaap, taan, bol taan, sargam alap in prescribed Ragas and Talas with different layakaries.</td>
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