PROGRAMME OUTCOMES

B.A (English)

PROGRAMME OUTCOME:

P.O.S 1. Cultivate and develop physical, intellectual, emotional, aesthetic, ethical and spiritual values.

P.O.S.2. Recognize the significance of their social and professional responsibilities as citizens with integrity

P.O.S 3. Have command over the four basic communicative skills

P.O.S.4. Utilize different critical approaches and demonstrate them in the prescribed texts.

P.O.S.5 Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency;

English Course Outcome :-

BA SEM 1

-Introduces students to the elementary phonology

-Helps students to acquire a better understanding of the Prose.

-Students critically analyse the literary texts in relation to the historical , political & cultural contexts.

-Enrich and enhance vocabulary in a better way.

-Enable students to make correct usage of English Grammar.

-Enhance writing and speaking skills.

BA SEM 2

-Introduces students to Short Story and helps them to achieve a better understanding of its features.

-Develop ability to analyse literary text in relation to historical and cultural context.

-Enable students to critically analyse the literary works of the time.

-Learn and practice grammar rules.

BA SEM 3

-Makes familiar with Poetry as a distinct literary genre.

-Appreciate poetry from a different cultural and historical period.

-Develop their critical and writing skills.

-Introduces to the literary terms.

-Develop and enhance communication skills.

-Learn and practice grammar rules, composition of essays and paragraphs, etc .

BA SEM 4

-Better idea of One Act Play.

-Familiarise with the technical aspects Drama.

-Develop ability to appreciate drama as a literary genre both stylistically and contextuality.

-Enhance vocabulary and communication skills.

-Enhance their ability to compose essays, write e-mails, book-reviews, dialogue writing, etc.

SEMESTER V

Nomenclature of Paper: English Compulsory

Course Outcome:

C.O.S.1:The students will be acquainted with India's rich literary legacy

C.O.S.2: They will be able to understand the representative literary and cultural text

C.O.S.3: Create social awareness with regard to pre independence society and culture through Raja Rao's Kanthapura text

C.O.S.4: Communicate in English language with proper knowledge of the language

C.O.S.5: Understand the literary devices like Simile, Metaphor, Symbol, Irony, Satire used in the text

C.O.S.6: They will learn the basics of grammar and composition.They will learn to use tenses through different modules

SEMESTER VI

Nomenclature of Paper: English Compulsory

Course Outcome:

C.O.S.1: The students will be acquainted with Shakespearean Comedy.They will be able to understand social structure of British society

C.O.S.2: They will able to learn about the various aspects of Drama

C.O.S.3: They will be able to appreciate literariness embedded into the text

C.OS.4:They will learn to compose letters and precis

C.O.S.5: This will be able to enhance writing skills of the students

C.O.S.6: They will get to know the importance of Humanism in literature

टीकाराम कन्या महाविद्यालय, सोनीपत

Programme Out Comes (PO) कार्यक्रम परिणाम

विषयः– हिन्दी (अनिवार्य)

बी.ए. प्रथम वर्ष (सेमेस्टर–1)

PO1. हिंदी साहित्य के माध्यम से छात्राओं में सामाजिक प्रतिबद्धता का निर्माण। 2. साहित्य में रूचि निर्माण।

3. भाषिक ज्ञान में बढ़ोतरी।

4. प्रभावी संप्रेषण और रोजगार में सहायक।

5. हिंदी बोलने और लिखने के कौशल में दक्षता।

6. हिंदी साहित्य के माध्यम से जीवन तथा मानवीय मूल्यों का ज्ञान। 7. रचनात्मक सोच क्षमता का निर्माण।

8. छात्राओं की वैचारिक एंव तर्कशक्ति का निर्माण।

9. हिंदी में रोजगार के अवसर बताना।

Course Out Comes (पाठ्यक्रम परिणाम)

पेपर – हिन्दी (अनिवाय) कुल अंक–100 बी.ए.प्रथम वर्ष लिखित परीक्षा–80 ` semester – 1 (प्रथम सेमेस्टर) आतरिक मूल्यांकन–20 मध्यकालीन काव्य–कुंज

1.छात्राओं को हिंदी के व्यावहारिक ज्ञान से अवगत कराना। 2. हिंदी भाषा के प्रति छात्राओं में रूचि का निर्माण कराना 3. हिंदी काव्य से छात्राओं को परिचित कराना।

4. कविता विधा का परिचय छात्राओं को देना।

5. सामाजिक वास्तविकता से परिचित कराना

6. कविता के माध्यम से छात्राओं में प्रकृति प्रेम व दोप्रेम जागृत करना। 7. मध्यकालीन काव्य के महत्व को समझाना।

हिंदी साहित्य का आदिकाल

1. हिंदी साहित्य के इतिहास से छात्राओ को अवगत कराना। 2. संहान संतो को पढ ना और उनके व्यक्तित्व से प्रेरणा लेना। 3. भाषा के स्वरूप को समझाना।

4. आदिकालीन साहित्य का ज्ञान कराना।

काव्यषास्त्र

1. काव्यशास्त्र का परिचय देना।

2. छात्राओं को रस, अलंकार, छन्द व ष्षब्द–श्भक्ति का ज्ञान कराना। 3. छात्राओं में नैतिक मूल्यों को स्थापति करना।

4. छात्राओं को हिंदी की विधाओं से परिचित कराना।

5. व्याकरणिक ज्ञान बढ़ाना।

बी0 ए0 प्‍थम वर्ष

सेमेस्टर – पेपर – हिन्दी (अनिवाय)

समयः 3 घंटे पूर्णांक – 100 लिखित परीक्षा – 80

आंतरिक मूल्यांकन – 20

पाठ यक्रम परिणाम (Course Out Comes)

1. नाटक विद्या का परिचय देना।

2. नाटक के माध्यम से ऐतिहासिक तथ्यों की जानकारी देना।

3. छात्रों में स वाद–शैली का विकास कराना।

4. छात्रों में अभिनय के प्रति रूचि पैदा करना।

5. नाटक के माध्यम से छात्रो में लेखन व वाचन कौशल का विकास करना। 6. रंगमंच से संबंधित जानकारी प्रदान कराना।

हिन्दी साहित्य का भक्ति काल–

1. भक्तिकाल का परिचय देते हुए महान ् संत कवियों से अवगत कराना। 2. महान संतों की रचनओ ं व व्यक्तित्व से प्रेरणा ल ेना।

3. भक्तिकाल की विभिन्न धाराओ ं का परिचय देते हुए रामकावय धारा, कृष्ण काव्य धारा, संत काव्य धारा व सूफी काव्य धारा स े परिचित कराना।

4. मानवीय म ूल्यों से अवगत कराना।

5. संत साहित्य की विशेषताओ ं से अवगत कराना।

व्यवहारिक हि ंदी

1. व्यावहारिक हिंदी के माध्यम से छात्रों को अवगत करानां

2. हिंदी भाषा के प्रति छात्रों में रूचि निर्माण करना।

3. छात्राओं की वैचारिक एवं तर्क शक्ति को बढ़ाना।

4. हिंदी की संवैधानिक स्थिति से छात्राओं को अवगत कराना।

5. भाषा की शुद्धता एवं कुशलता से अवगत कराना।

पाठ्यक्रम प्रतिफल (कोर्स आउटकम्स)

बी. ए. तृतीय वर्ष (सेमेस्टर-V)

हिंदी (अनिवार्य)

खंड-क : समकालीन हिंदी कविता

1. छात्राओं को कविता विधा का परिचय कराना।
2. महान साहित्यकारों से छात्राओं को प्रेरणा देना।
3. विद्यार्थियों को समाज की यथार्थ स्थिति से परिचित कराना।
4. छात्राओं में मानवतावादी विचारधारा उत्पन्न करना।
5. कविताओं से विद्यार्थियों में देश-प्रेम व प्रकृति-प्रेम जागृत करना।
6. छात्राओं का बौद्धिक विकास करना।

खंड-ख : हिंदी साहित्य का आधुनिक काल : कविता

1. आधुनिक काल के हिंदी साहित्य के इतिहास का ज्ञान देना।
2. आधुनिक हिंदी कविता की पृष्ठभूमि को समझाना।
3. आधुनिक कालीन हिंदी साहित्य की परिस्थितियों से अवगत कराना।
4. आधुनिक हिंदी कविता की विभिन्न काव्यधाराओं से परिचित कराना।
5. साहित्य के माध्यम से जीवन मूल्यों को समझाना।

खंड-ग : प्रयोजनमूलक हिंदी

1. भाषा की शुद्धता एवं कुशलता के माध्यम से रोजगार के अवसरों से अवगत कराना।
2. संप्रेषण कौशल में वृद्धि करना।
3. पत्र लेखन कौशल को विकसित करना।

4. कार्यात्मक हिंदी के विभिन्न रूपों से अवगत कराना।

बी. ए. तृतीय वर्ष (सेमेस्टर VI)

हिंदी (अनिवार्य)

खंड-क : नव्यतर गद्य गौरव

1. छात्राओं को विभिन्न विधाओं से परिचित कराना।
2. महान साहित्यकारों से विद्यार्थियों को प्रेरणा देना।
3. विभिन्न विधाओं के माध्यम से समाज में व्याप्त समस्याओं को उजागर करना तथा उनका समाधान ढूंढना।
4. विविध विधाओं से छात्राओं को समाज एवं राष्ट्र के प्रति अपनी भूमिका से परिचित कराना।
5. छात्रों की चिंतन तथा लेखन कला को विकसित करना।
6. सही और गलत को परखने की क्षमता विकसित करना।
7. मानवीय मूल्यों से अवगत कराना।

खंड-ख : हरियाणवी लोक साहित्य का इतिहास

1. हरियाणवी भाषा की प्रमुख बोलियों से अवगत कराना।
2. हरियाणवी भाषा में रचित साहित्य की विविध विधाओं से परिचित कराना।
3. हरियाणवी भाषा के विकास में छात्राओं को योगदान देने के लिए प्रेरित करना।
4. हरियाणवी साहित्य के माध्यम से ग्रामीण संस्कृति से परिचित कराना तथा ग्रामीण संस्कृति को बढ़ावा देना।
5. हरियाणवी साहित्य के माध्यम से जीवन मूल्यों को समझाना।

खंड-ग : हिंदी पत्रकारिता

1. विद्यार्थियों को पत्रकारिता के स्वरूप से परिचित कराना।
2. आधुनिक पत्रकारिता के विभिन्न आयामों से अवगत कराना।
3. पत्रकारिता के माध्यम से विद्यार्थियों में समस्या हल करने की विशेष योग्यता विकसित करना।
4. छात्राओं में लेखन कौशल व संवाद कौशल विकसित करना।
5. समाज में घटित होने वाली घटनाओं के प्रति संवेदनशीलता विकसित करना।
6. छात्राओं में आलोचनात्मक दृष्टि का विकास करना।

B Ist (History)

B.A. HISTORY OF INDIA (FROM EARLIEST TIMES C.1250AD)

(I+II SEM)

COURSE OUTCOMES -

Students will be able to examine institutional basis of Ancient India.

Students will be able to indicate multiple culture of Ancient India.

Students will be to illustrate the development of Empire.

Students will be able to explain our heritage through cultural aspects of Ancient India.

Students will be able to explain political and social ideas and Institution of Ancient India.

B.A. HISTORY OF INDIA (FROM 1707AD-1947AD)

(III+IV SEM)

COURSE OUTCOMES -

- 1. Student will be able to formulate basis of modern India through different concept like modernity rule of low etc.
- 2. Students will be able to analyze the process of rise modern India and its Foundation made by social reformer and freedom fighters.
- 3. Students will be able to categorize different School of thought about modern India history.
- 4. Students will be able to analyze social background of Indian nationalism.
- 5. Students will be able to illustrate rise and growth of economic Nationalism in India.
- 6. Students will be able to became familiar with makers of modern history.

B.A. ANCIENT AND MEDIEVEL WORLD

(V+VI SEM)

COURSE OUTCOMES -

- To promote and understanding of pre -historic culture and bronze age Civilization and its socio economic structure.
- Students will be able to compare the world we live in today with past Eras such as the lower paleolithic Neolithic aggression and industrial ages.
- Students will be able to understand the relation between modernity and nationalism and its implications.
- Students will be able to understand the process of colonialism in different part of world.
- Student will be able to understand the necessary of universal brotherhood.

B.A 1st Year & B.A. ENG HONOURS first year

Indian Government and Politics (option: 1)

* To understand the philosophy of Indian Constitutions Identify the causes, impact of British Colonial role Appreciate the various Phases of National movement.

* *To create value in young youth regarding the patriotism.

* *To understand the various Government of Indian acts their provision and reforms. To Know the salient features was in making constitution.

* *To Appreciate the socio economy Political factors which Lead to the freedom struggle. To identify how electoral rules and procedure in India effect election Outcome.

B.A SECOND YEAR & ENG HONOURS SECOND YEAR

Principles of political Science (option I)

* *Principles of political Science and Political theory. This paper aims to provide students a sound understanding of Political Including various approaches ideological perspectives and relationship with other social science.

* *Acknowledging the importance of state in contemporary discourses, of state in Society and how it rules and regulates the power structure by learning various key Concepts related understanding of Politics.

* They will understand what power is and how it functions in Society and Politics.

* They will be able to explain various theories of Justice.

*Also ,they will come to know how liberal and Marxist traditions look at and understand politics today.

B.A 3rd YEAR & ENG HONOURS THIRD YEAR

comparative Politics (option I)

*In this subject students will be able to Compare and contrast the functioning of Governments and political system .

* The students will understand the importance o discipline more positivist and scientific.

*The political system doesn't function in isolation. It operates in its own legal economic socio-political and cultural environment. This paper introduces students to concepts and techniques that may be used to comprehend various political regimes in terms of the origins and functioning of government
institutions.

* They will be able to critically evaluate key features of electoral democracy such as : party system, how its separates in different kinds of political regimes. They will be able to describe how the media has altered the shape of elections and how it affects democratic elections, public opinion in different political system.

B.A MATHEMATICS

First year (First Semester)

COURSE OUTCOME

PAPER - I : Algebra

Students will be able to simplify or manipulate expression involving the polynomials, radicals, rational, exponentials or logarithmic terms using appropriate properties and rules. Use numeric or variable substitution while working with expressions.

PAPER - II : Calculus

calculus students will be able to productively discuss mathematics in a group setting. Students will be able to write detailed solution using appropriate mathematical language. Student will be able to identify areas in mathematics another fields wherever calculus is useful.

PAPER – III : Solid Geometry

Students will be able to find the angle between the planes, perpendicular distance from a point to the plane, image of line on plane , describe coplanar lines and intersecting lines , define skew lines and calculate the shortest distance between the skew lines, to inculcate knowledge on solutions problem in analytic geometry.

B.A - First year (Second Semester)

PAPER - I : Number theory and Trigonometry

Students will be able to apply the mathematical concepts and principles to perform numerical and symbolic computations, write clear and precise proofs, demonstrate the ability to read and learn mathematics independently , use technology appropriately to investigate and solve mathematical problems.

PAPER - II : Differential Equation

Students will be able to solve first order differential equation utilizing the standard techniques for separable , exact , linear , homogeneous and Bernoulli's scopes . They will be able to coordinate polar coordinates and equations solvable. They will have a working knowledge of basic applications problem described by second order linear differential equations with constant coefficient.

PAPER - III : Vector calculus

Students will be able to apply the techniques from multi variables analysis to set up and solve mathematical models , to deduce simple mathematical results and to calculate integrals , to set up and solve simple optimization problems including problem with constraints.

B.A - Second year (Third semester)

PAPER - I : Advanced calculus

Students will be able to understand completeness , compactness and limits in R , use differentiation to compute tangent lines and tangent planes, relate the linear algebraic properties of the Freshet derivate to the geometrical property of the function, use differentiation for multivariate function to find relative extreme and rate of change a , b , c.

PAPER - II : Partial Differential Equation

Students will be able to apply a range of techniques to find solution of standard partial differential equation, understand basic properties of standard partial differential equation, demonstrate accurate and efficient use of fourier analysis techniques and their applications in the theory of partial differential equation's demonstrate capacity to model physical phenomenon using partial differential equations.

PAPER – III : STATICS

Students will be able to have knowledge about the nature of forces, be aware of friction and its various forms and centre of gravity, be familiar with virtual work, have knowledge regarding wrenches and null lines and planes.

B.A - Second year (Fourth semester)

PAPER - I : Sequence and Series

students will be able to determine if an infinite sequence is bounded, monotonic or oscillating, determine the sequence whether it's convergent or divergent by using the appropriate test , find the sequence of partial sum for infinite series.

PAPER – II : Special functions and Series

Students will be able to use bessel's equation in many physical problems involving vibrations, special functions applications in engineering, define and recognise hermite and Leaguerre's polynomial and applications , define and recognise beta and gamma functions and its applications, improve and outline logical thinking.

PAPER - III : Programming in C

Students will be able to develop a capital hello "C" program, control the sequence of the program and give logical outputs , implement strings in your "C" program, store different data types in the same memory , manage I/O operations in C programs, repeat the sequence of instructions and points for a memory location.

B.A - Third year (Fifth Semester)

PAPER - I : Real Analysis

Students will be able to recognise the bolzano - Weierstrass theorem, will have the ability to apply the theorem in correct mathematical way , define and recognise the real function and its limits, define and recognise the continuity of real functions, define and recognise the riemann integration of real function and its related theorems.

PAPER – II : Groups and Rings

Students will be able to assess properties employed by the definition of groups and rings, use various canonical types of groups, analyse and demonstrate examples of subgroups , normal subgroups and quotient groups , analyse and demonstrate examples of ideals in quotient rings, use the concepts of isomorphism and homomorphism for groups and rings and produce rigorous proofs of propositions arising in the context of groups and rings.

PAPER - III : Numerical Analysis

Students will be able to obtain numerical solution to problem of mathematics describe and understand several errors and approximation in numerical methods , solution of equation in one variable , method to solve the simultaneous equation .

B.A - Third year (Sixth Semester)

PAPER - I : Real and Complex Analysis

Students will be able to understand the modulus of complex valued functions and result regarding that develop , manipulation skills in the use of Rouche's theorem , learn to use augment principle , understand gamma and Zeta function , their property and relationship ,

harmonic function on disc and concerned results.

PAPER - II : Linear Algebra

After successful completion completion of this course student will solve system of linear equation using multiple methods , including Gaussian elimination and matrix inversion, carry out metric operation , including inverses and determinants.

PAPER - III : Dynamics

Students will be able to understand and use basics terms for the description of the motion of particles, vector functions and the fundamental laws of Newtonian mechanics.

B.A ECONOMICS

COURSE OUTCOME ECONOMICS B.A

*Economics is the study of how people decide to use resources on an individual and a collective basis. It examines the kinds of work people do and how much time they spend doing it. Economical so looks at production, investments, taxation and how people spend and save money. Before you commit yourself to spending time and effort studying economics, it helps to know the advantages of doing so.

*Economics is the study of how societies, governments, businesses, households, and individuals allocate their scarce resources. Our discipline has two important features. First, we develop conceptual models of behaviour to predict responses to changes in policy and market conditions. Second, we use rigorous statistical analysis to investigate these changes.

*Economists are well known for advising the president and congress on economic issues, formulating policies at the Federal Reserve Bank, and analyzing economic conditions for investment banks, brokerage houses, real estate companies, and other private sector businesses. They also contribute to the development of many other public policies including health care, welfare, and school reform and efforts to reduce inequality, pollution and crime.

*The study of economics can also provide valuable knowledge for making decisions in everyday life. It offers a tool with which to approach questions about the desirability of a particular financial investment opportunity, whether or not to attend college or graduate school, the benefits and costs of alternative careers, and the likely impacts of public policies including universal health care and a higher minimum wage.

The complementary study of econometrics, the primary quantitative method used in the *discipline, enables students to become critical consumers of statistically based arguments about numerous public and private issues rather than passive recipients unable to sift through the statistics. Such knowledge enables us to ask whether the evidence on the desirability of a particular policy, medical procedure, claims about the likely future path of the economy, or many other issues is really compelling or whether it simply sounds good but falls apart upon closer inspection.

COURSE OUTCOME – MICRO ECONOMICS (B.A. FIRST YEAR)

* It will familiar students on creating an understanding among students on the basic reasoning of Economics.

* It will make students aware about how various economic agents behave optimally given the scare economic resource and other constraints.

* Students are better able to understand various economic issues and applied part of the economics.

* A comprehensive knowledge of Micro Economics will empower students to explain the social reality with better arguments and optimum solutions.

COURSE OUTCOME – MACRO ECONOMICS (B.A. SECOND YEAR)

* Macro economics helps us to understand how a economy is moving as a whole. It is useful in multiple ways to multiple parties.
*In Macro economics, a variety of economy –wide phenomena is thoroughly examined such as inflation, price levels, rate of growth, national income, gross domestic product and changes in unemployment.
* Private companies decide the investment area depending on macroeconomics data like inflation or sector growth.
* It helps us understand the functioning of a complicated modern economic system.
*It helps to achieve the goal of economic growth, a higher GDP level, and higher level of employment.
* It helps to bring stability in price level and analysis fluctuations in business activities.

COURSE OUTCOME – GROWTH & DEVELOPMENT ECONOMICS (B.A .FINAL YEAR)
Development economics is fascinating because it shows how economic analysis can help us to understand the big themes of the 21st century- poverty and inequality, globalization and trade, and the contrasting experience of success and failure in the economies of different regions of the world.

BENEFITS

Higher average incomes
* This enables consumers to enjoy more goods and services and enjoy better standards of living.
Lower unemployment
* With higher output and positive economic growth, firms tend to employ more workers creating more employment.
Lower government borrowing
* Economic growth creates higher tax revenues and there is less need to spend money on benefits such as unemployment benefit. Therefore economic growth helps to reduce government borrowing.
Improved public services
* With increased tax revenues the government can spend more on public services such as the NHS education etc.

Course Outcomes for UG Programmes (Geography)

B.A 1st sem.	**101**	**Geography of India**	The students will appreciate the relevance of geographical Knowledge of India to understand contemporary issues.
	102	**Map and scale(practical)**	Students should be able to understand the pittance and classification of maps and different types of scale
2nd sem.	**103**	**Physical geography**	The course will provide an understanding of the

			conceptual and dynamic aspects of landform development. Students will also learn the relevance of applied aspects of physical features in various fields.
	104	**Representation of physical features (Practical)**	Students should be able to understand the importance and uses of maps and the relationship and juxtaposition of features therein.

Paper 201 Physical Geography (3rd Sem)

Students will have a general understanding of physical geographic processes, the global distribution of landforms.

The learner will have a general understanding of cultural geographic processes, the global distribution of cultural mosaics, and the history and types of interaction between people within and among these mosaics.

It will enable the students to understand the global atmospherics circulations and disturbances.

Paper 203 Human Geography (4th Sem)

Students will have a general understanding of how in the present globalized world economic activities occur unevenly over geographical space.

Student will know how local places and global economy are intertwined.

5th sem	**301**	**Economic geography**	Students would be integrating the various factors of economic development and dynamic aspects of Economic Geography. • Classify economic activities with their features and differentiate developed, undeveloped and developing countries • Classify resources focus on the use of non - conventional energy resources crisis • Classify industries, transport, communication and trade • Describe various national and international organizations also new concepts
	302	**Distribution maps and diagrams (practical)**	Students would be able to understand qualitative distribution maps and quantitative distribution maps and prismatic compass survey.
6th sem	**303**	**Introduction to remote sensing GIS and quantitative method**	Students will be familiarized and enhance their knowledge about Remote Sensing and GIS technology. They will understand the technology along with application value as well as its importance in Earth observation. Students would be able to make a rational choice amongst listed various statistical methods.
	304	**Introduction to remote sensing and field survey report (practical)**	Students would be able to understand the identification of areal feature Students would be able to understand the basic socio-economic characteristics of the chosen area through the field methods/ techniques and build the capability of writing a report.

कार्यक्रम विशिस्ट परिणाम

विषय : संस्कृत (ऐच्छिक) BA

१. संस्कृत साहित्य क़े माधयम से छात्रों को मित्रलाभ , दुतवाक्याम, बालकंडम, श्रीमद्भगद्गीता , रघुवंशम , अभिज्ञान
शाकुंतलम आदि की जानकारी देना।

२. संस्कृत वाग्व्यवहार सहस्त्री के द्वारा छात्रों के ज्ञान में बढ़ोतरी।

३. हितोपदेश : रचना के माधयम से संबधित प्रशन कथाओ के सारांश तथा सुक्तयो की व्यवख्यो के द्वारा छात्रों को ज्ञान
देना।

४. संधि , समास , छंद , प्रत्यय के द्वारा छात्रों के व्याकरण ज्ञान में वृद्धि।

५. प्रभावी सम्प्रेषण और रोजगार में सहायक।

६. भाषिक ज्ञान में बढ़ोतरी।

७. संस्कृत साहित्य के माध्यम से छात्रों में सामाजिक प्रतिबधता का निर्माण।

पाठ्यक्रम परिणाम BA प्रथम वर्ष

प्रथम सेमेस्टर

पेपर संस्कृत (ऐच्छिक) कुल अंक 100

लिखित परीक्षा 80

आंतरिक मूल्यांकन 20

समय ३ घंटे

पाठ्यक्रम परिणाम

1. छात्रों को हितोपदेश : रचना के माध्यम से व्यवाहरिक ज्ञान से अवगत कराना।
2. संस्कृत भाषा के प्रति छात्रों में रूचि का निर्माण करना।
3. संस्कृत व्याकरण से ज्ञान में वृद्धि।
4. छात्रों को शिष्टाचार का ज्ञान कराना।
5. संस्कृत भाषा के स्वरुप को समझाना।

पाठ्यक्रम परिणाम

BA द्वित्या वर्ष (तीसरा सेमिस्टर)

पेपर संस्कृत (ऐच्छिक)

पाठ्यक्रम परिणाम

1. छात्रों के संस्कृत वागय विवहार में वृद्धि।
2. वल्मीक्या रचित रामायण से छात्रों को संस्कृत साहित्य कि जानकारी।
3. भगवान श्री राम व भरत भर्ता प्रेम से छात्रों का सर्वगीण विकास।
4. व्याकरण से छात्रों कि ज्ञान में वृद्धि।
5.आदि कवि महर्षि वाल्मीक क़े आदर्श रूप का ज्ञान।

पाठ्यक्रम परिणाम BA तृतीय वर्ष

पांचवा सेमेस्टर

पेपर संस्कृत (ऐच्छिक) कुल अंक

१. छात्रों क़े संस्कृत विवहार में वृद्धि।

२. कालिदास द्वारा विरचित "अभिज्ञान शाकुंतलम" नामक नाटक से छात्रों को संस्कृत साहित्य कि जानकारी।

३. वेदो कि जानकारी।

४. वेद का मानव जीवन में महत्वपूर्ण भूमिका।

५. छात्रों क़े सर्वागीण विकास में लाभदायक।

६. संस्कृत व्याकरण से छात्रों क़े ज्ञान में वृद्धि।

पाठ्यक्रम परिणाम

बा प्रथम वर्ष

(दूसरा सत्र)

पेपर संस्कृत (ऐच्छिक)

१. अनुवाद एवं कठस्थ श्लोकस्य क़े द्वारा छात्रों में संस्कृत उच्चारण में वृद्धि।

२. दुतवाक्याम (भासविरचितम) द्वारा कथावस्तु नेता और रस का महत्व।

३. व्यावहारिक ज्ञान क़े माध्यम से छात्रों को अवगत कराना।

४. संस्कृत व्याकरण से छात्रों क़े ज्ञान में वृद्धि।

५. संस्कृत भाषा क़े प्रति छात्रों में रूचि निर्माण कराना।

BA द्वितीय वर्ष (पाठ्यक्रम परिणाम)

चौथा सत्र

पेपर : संस्कृत ((ऐच्छिक)

पेपर संस्कृत (ऐच्छिक) कुल अंक १००

लिखित परीक्षा ८०

आंतरिक मूल्यांकन २०

पाठ्यक्रम परिणाम

१. छात्रों को श्रीमद्भगद्गीता गीता महर्षि व्यास द्वारा रचित रचना से छात्रों को सांसारिक ज्ञान से अवगत कराना।

२. कर्मशील बनने का ज्ञान।

३. रघुवंशम महाकवि कालिदास द्वारा रचित महाकाव्य के द्वारा छात्रों को चरित्र वान बनने के प्रेरणा।

४. व्याकरण से ज्ञान में वृद्धि।

५. पत्रलेखन के द्वारा संस्कृत छात्रों में लेखन व वाचन कौशल में विकास।

६. महाकव्य के माध्यम से ऐतिहासिक तथ्यों की जानकारी।

BA तृतीया वर्ष

छठा सत्र

पेपर संस्कृत (ऐच्छिक)

पाठ्यक्रम परिणाम

१. छात्रों के संस्कृत वाग्व्यवहार में वृद्धि।

२. वाल्मीकीय रचित रामायण से छात्रों को संस्कृत साहित्य के जानकारी।

३. नाटक विद्या का परिचय देना

४.नाटक के माध्यम से ऐतिहासिक तथ्यों की जानकारी।

५. छात्रों में संवाद शैली का विकास करना।

६. छात्रों में अभिनय के प्रति रूचि पैदा करना

७. रंगमंच से संबंधित जानकारी पैदा करना

८. महान कवियों की रचना से प्रेरित होने की प्रेरणा देना।

९. संस्कृत भाषा के प्रति छात्रों में रूचि निर्माण करना

PSYCHOLOGY

COURSE OUTCOME

Students will be able to know about the fundamentals of psychology.

- **Psychology: Introduction to Psychology**

Semester- I:

- Students will be able to know more about psychology.
- Psychology: It is the scientific study of behavior.
- Behavior: It involves all our overt and covert activity and actions like in our covert behavior humans thinking, opinions, like and dislikes, beliefs, interests and our abilities, our aptitudes are involved and our overt behavior is the outcome of our covert behavior.
- Students will know the subject matter and its background.
- Students learn about the eye and ear, about the sense organs of the body.In this mainly the structure and functions of eye and ear.
- Students learn about perception: Perception is the ability to notice or understanding ofsomething.
- Emotions: Feelings and our reaction patterns, means how individual deals with thematters or situations they find personally significant.
- Students would be able to understand major topics of psychology like personality,intelligence and psychophysics.

Practical of Semester-I:

- Students will be able to practically gain the knowledge regarding:

- What is personality and how it is measured by EPI test that is Eysenck personality test.
- What is emotion and how we can measure we can measure the emotions by or withthe help of study of emotions.
- What is intelligence and how we can measure intelligence with the help of verbalintelligence test.
- Simple reaction time: in this experiments students will be able to know the time thatelapses between the onset of or presentation of stimulus and the occurrence of a specific response to that stimulus.
- Students would be able to learn about observations means how we can measure thespeed and accuracy of the observation.

Semester- II:

- Here in this students will be able to learn about the attention.
  Attention is the concentration of consciousness upon one subject rather than upon another. Students get to know about the process which compels the individual to select a particular stimulus according to his interest & attitude out of the multiple stimuli of the environment.
- Students know more about the concept of learning and Memory.
  Learning is the process of acquiring new understanding, knowledge, behaviour, skills, values, attitudes & preferences.
  The behaviour of an individual is this changed through experiences.
  This change is the outcomes of experiences is commonly known as learning.
  Students get to know more about the psychological necessity of problem Solving.
  Students know more about statistics, graphic presentation of data and Mean, Median, Mode.
- Students have practical knowledge of S.T.M and L.T.M. meaning Short Term Memory & Long Term Memory.
- S.T.M. To store and the ability to retain the material for very short period in mind.

Practical of Semester-II:

- In the practical students will be able to practically know about the S.T. Memory & how we can measure the time period of S.T.M.
- Like this 2.T.M. (Experiment on this)
- Students will be able to practically know about the problem solving ability and alsolearn how we can improve this ability.
- Students get to know more about the Span of Attention: This is the ability which tellsus how many things can exist in the Focus of Consciousness at a time in an individual. Human being's span of attention for “dots” is considered the maximum. Attention span is the amount of time spent Concentrating on a task, before becomingdistracted.
- Students more learn about that our Attention span has markedly decreased in just 15years.

Semester- III:

- Subject option is the Social psychology.
- Students will be able to know about how thoughts, feelings and behaviour are affectedby the actual, imagined or implied presence of others or other people.

- Socialization: The process of learning how to interact in society (Behaviours, manners etc.).
  It's a process by which individuals acquire the knowledge, language, social skills & value to conform to the norm.
  Socialization is very important through which we internalize the culture of our society.
  Allows society to pass culture on to the next generation.
  Students learn how to become members of society. Through this process in fact the infant (new born babies) actually know how to come in society, deal with the society, interact with other people and how they are growing and developing all the social pillars of society.

- Groups: Two or more humans who interact with one another, accept the expectationsand obligations are a member of the group.

  From the moment of birth, a human being lives in the family which can be called a group. A unit of social organisation. In this group, the child learn group norms means rules & regulation of the group, Social values and "do's and don'ts" of the society through interaction.
  A Sense of support and belongingness is received when one becomes member of a group. Groups help humans achieve meaning of the world around them.

- Leadership: Students will be able to know more about the leadership.
  It's the potential to influence the behaviour of others. It is the power or ability to lead other people and capacity to lead the society.

- Students will be able to know about the attitudes.
  Attitudes refer to a set of emotions, beliefs, behaviours towards a particular object, person, thing or event.
  They are often the result of experience or upbringing.
  Attitude involves three components: (a) cognitive (b) affective aspect and (c) behavioural component.
  The three ABCs of attitude are the three components of it.

- Students will be able to know more about the Prosocial behaviours that is helpingbehaviour & what is Aggression.
- Prosocial behaviour: Through which people benefit others, it's a Voluntary Behaviour,intended to benefit others including: Sharing, Helping, Donating and Co-operating.
- Aggression. It is a form of behaviour directed towards the goal of harming or injuring or inflicting damage upon other individual. It is motive of revenge.
- Students will be able to learn more here to Control the Aggression by:
  1. Set out clear expectations
  2. Build rapport and be understanding
  3. Show cultural sensitivity
  4. Avoid negativity
  5. Be encouraging
  6. Avoid power struggles.

Semester- IV:

Developmental Psychology:

Students will be able to learn more about the human growth & development over the lifespan, including Physical, Cognitive, Social, Intellectual, Perceptual Personality &

Emotional Growth.

- Students will be able to know more about how & why human grows, change & adaptacross the course of their lives.
- Students will able to learn more about the “Parent-Child Relationship”
- Which types of Parent are more liked & which Parent relation being more influential(which parent bond is strong).
- Problems of Youth: What types of problems youth is facing in this Present Society. Why they are facing in today's domain.
- Youth period is called the “Transaction Period”.
- Students will be able to know about Self-Esteem & Self-Concept.
- Here students know what is the Self-Esteem & how is it earned?
- How the Environment of family affects the whole life of child.
- Students will be able to learn more about the family structure & which environment iscordial most to child.

Practical of Semester- IV:

- Students will be understanding the Social issues which while studying and Practically doing developmental Psychology.
- What are the main stages during prenatal development.
- What are the particular hazards which occur during infancy.
- Problems of Adolescents & Coping with them.
- Problems of Adulthood, its Stages and how people adjust with the aging process.
- Students will be able to understand practically with the basis of Statistics.

Semester- V:

Psychopathology:

- Students will be able to understand the concept of Normality & Abnormality.
- What is psychopathology & why it is prevailing in today’s era more and its spreading day by day.
- Students will learn more about the Maladjusted Behaviour.
- Students will able to understand that mental illness can be treated in the same manneras physical illness.
- Students will be more capable to know mental disorders and aware about it that why itis spreading.
- Students will be aware about the “Social Stigma of Mental illness”.
- Students will be able to know the symptoms, causes and treatment or therapies ofabnormalities or psychopathology.
- Students will be able to analyse the deadly effects of drug abuse or addiction.
- Students will be able to know about the psychopathology that helps in choosing theircareer in Psychology as a Clinical Psychologist.

Practical of Semester- V:

- Mental Depression Scale: Enables the students to examine the depression level of thesubject.
- Students will be able to know about the Memory Scale. The test which is designed toevaluate different types of memory of patients/subjects.
- Anxiety Test: Students measure the state & trait Anxiety levels of the subject.

- T.A.T: Thematic Apperception Test.
  The test to study & assess about the personality of the subject. This is a personality Test.

Semester- VI:

Applied Psychology:

- Students will be able to learn or understand the Utility of Psychology in everyday life.
- Students will be able to know about Health, Illness, Wellbeing of the individual.
- Students will more aware & identify stressors.
  Stress: It is feeling of Emotional or physical tension, can come from any event or thought that makes you frustrated, angry or nervous. It can be positive, when it helps you avoid danger or meet a deadline.

- Students will be able to understand how to cope with these stressors.
- Lifestyle-Disorders.
- Students will be able to become good Counsellors
  Students will be capable to know or understand the importance of Psychology in Law & Court domain that is forensic Psychology.

Practical of Semester- VI:

- Students will gain knowledge on the different topics practically that are Wellbeing-Scale.
- Lifestyle schedule.
- Aptitude Scale.
- Counselling Need Inventory. It helps the subject whether he or she needs any type of counselling.

TIKA RAM GIRLS COLLEGE, SONIPAT

Course Outcomes (COs), Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) for B.com (Pass& Hons Programmes

Programme Name - B.Com.(Pass)

Programme Outcomes of B.Com.(Pass)

After becoming graduates in Commerce programme students would become aware of the fundamentals of Commerce and Finance resulting in

PO1:Developing an attitude to work effectively and efficiently in a business environment

PO2:Inculcating a professional attitude and develop decision taking aptitude in students

PO3:Strengthening the base and basics of knowledge in different branches of ommerce

PO4:Practical ability to apply knowledge, skills and techniques used in Commerce

PO5:Enabling them to manage the financial issues with technical knowledge and support

PO6:Strengthening the foundation of their knowledge of Commerce and Financial fields

PO7:Integrating the concepts and techniques used in Commerce with their efficiency in business development

Programme Specific Outcomes of B.Com.(Pass)

PSO1: The graduates in Commerce will be able to go for Higher Studies in Chartered Accountancy to become certified Auditors

PSO2: Students can opt for a career to guide investors in financial planning or as stockbrokers

PSO3: Commerce graduates may also gain expertise as marketing professional in bankingsector or for insurance companies

PSO4: Commerce students may become Tax Savvy as TR preparers

PSO5: The graduates in Commerce can opt for a course in company secretaries and Become legal advisors to companies

PSO6: Students may also acquire practical skills to work for providing financial support services.

Semester I

Subject: Financial Accounting-I (1.01)

At the end of the course, students will be able to

CO1: Learn about the meaning, objective, process, limitations, basic terms of accounting,generally accepted accounting principles

CO2: Maintain journal, ledger and prepare trail balance

CO3: Differentiate between capital and revenue items, reserves and provisions

CO4: Learn about the concept of depreciations, causes, accounting procedure underdifferent methods

CO5: Recognize the different types of errors and rectifying them

CO6: Prepare final accounts with adjustments

CO7: Know about the meaning, features and accounting treatment of non-profitorganizations

CO8: Know about the meaning of consignment and how to maintain consignment accounts

Subject: Business Mathematics-I (1.02)

At the end of the course, students will be able toCO1: Understand indices and logarithms

CO2: Describe union, intersection, complement and difference of setsCO3: Apply set theory to practical problems

CO4: Be familiar with presentation and Combinations

CO5: Study about sequence and series

CO6: Learn about data interpretation

CO7: Analyze the practical problems with bare graphs, pie charts, line graphs, mix graphs

Subject: Business Economics-I (1.03)

At the end of the course, students will be able to

CO1: Define basic concepts of economy, price mechanism elasticity of demand and supply

CO2: Describe the theories of production, function in start and long run, ridge lines, theory of cost

CO3: Understand consumer behavior, utility and indifference curve analysis

CO4: Understand markets - classification and structure

Subject: Business Management-I (1.04)

At the end of the course, students will be able to

CO1: Describe the concept, nature and objectives of Business including business systems

CO2: Discuss about management concept, nature and significance

CO3: Explain in detail the management thoughts or systems

CO4: Learn about the planning and decision making concepts and process including MBO

CO5: Evaluate the steps of corporate planning and strategy formulation

CO6: Demonstrate the ability to understand the concepts related to organizing such as authority and responsibility, centralization and decentralization including departmentalization and organizational structure

Subject: Business Communication Skills (1.05)

At the end of the course, students will be able to

CO1: Know about the process of communication and barriers to communication

CO2: Learn the E-mail etiquettes and how to note down the minutes of meetings

CO3: Practice the report writing

CO4: Know and read the body language and gestures

Subject: Basic of Computer-I (1.06)

At the end of the course, students will be able to

CO1: Know about the components of computers, and various generations of computers

CO2: Differentiate between human being and computer, computer and calculator

CO3: Understand the various types of computers according to classification criteria

CO4: Know about various input devices, output devices and various memory and massstorage

CO5: Create MS-Word document with various formatting options

Subject: Basic of Computer-I (Practical) (1.06)

At the end of the course, students will be able to

CO1: Create MS-Word documents with various formatting options

CO2: Know about the various components of MS-Word

CO3: Know about how to edit, save, import and export files

CO4: Create the tables with various options available within

CO5: Implement the features like macors, mail merge, etc.

Semester II

Subject: Financial Accounting-II (2.01)

At the end of the course, students will be able to

CO1: Learn about the meaning of hire purchase system installment payment system and accounting procedure of HPS and IPS

CO2: Know about the meaning of branch and departmental A/c and to maintain theaccounts of branches and departments

CO3: Know about the concept of dissolution of partnership, Garner V/s Murrey Rule,Gradual realization and piecemeal distribution

CO4: Know the concept of amalgamation and sale of partnership firm

CO5: Learn how to maintain accounts in case of dissolution of partnership and sale of partnership firm

CO6: Know the concept of joint venture account and royalty and learn how to maintainaccounts in case of joint venture and royalty

Subject: Business Mathematics-II (2.02)

At the end of the course, students will be able to

CO1: Learn about matrices and determinants

CO2: Solve system of linear equations having unique solution and involving not more thanthree variables

CO3: Understand application of differentiation

CO4: Find compound interest and present value and amount of an amenity

CO5: Be familiar with ratio and proportion

CO6: Understand the concept of profit and loss and their practical application

Subject: Business Economics-II (2.03)

At the end of the course, students will be able to

CO1: Understand about market structures i.e. perfect competitive monopoly, monopolistic competition, oligopoly and price determination in different markets

CO2: Understand the concept of market structure and market failure

CO3: Understand market success and market failure

CO4: Understand theory of factor pricing and how different factors of production will gettheir reward

CO5: Know about the concept of rent, wages, interest and profits separately

Subject: Business Management-II (2.04)

At the end of the course, students will be able to

CO1: Describe the nature, concept and scope of staffing including concept of matching job and people and making students understand the concept of recruitment, selection and training of employees in detail

CO2: Explain in detail the motivation concept, theories and its types

CO3: Explain in detail the leadership concept, styles and theories

CO4: Discuss about the communication concept, nature, types and process, barriers andremedies

CO5: Explain in detail the controlling concept, process, techniques and effective controlsystem

CO6: Understand the concepts, nature and process of planned change, resistance to change,emerging horizons to change faced by managers

Subject: Business Environment (2.05)

At the end of the course, students will be able to

CO1: Learn the practical implications of SWOT Analysis

CO2: Know about the measures of National income and GDP of developing nations

CO3: Know about the ways to eliminate the evils of poverty and unemployment

CO4: Evaluate the LPG policy of India

Subject: Basic of Computer-II (2.06)

At the end of the course, students will be able to

CO1: Know about functioning of digital computer and model of digital computer

CO2: Understand the applications of computer in various fields

CO3: Know about software, operating systems and their types

CO4: Know about windows and its various components

CO5: Create MS-Excel sheets with various excel features available

Subject: Basic of Computer-II (Practical) (2.06)
At the end of the course, students will be able to

CO1: Know about the various components of MS-Excel window

CO2: Create worksheet using different formatting options

CO3: Design tables and create chart according to table

CO4: Use various Built-in functions like mathematical and logical

Subject: Environmental Studies

At the end of the course, students will be able to

CO1: Correlate the factors of eco system

CO2: Pay attention towards their environment

CO3: Know the need to conserve and preserve the natural resources

CO4: Develop the skills to enhance the quality of their environment

CO5: Understand the variation among organisms through biodiversity

CO6: Analyze the population growth and work upon the idea and schemes to control it

CO7: Figure out the impacts of nature (environment) on living organisms

Semester III

Subject: Corporate Accounting-I (3.01)

At the end of the course, students will be able to

CO1: Understand the concept of share capital, meaning, types, accounting treatment of issueand reissue of shares: buy back of equity shares and sweat equity shares

CO2: Understand and solve the concept of redemption of preference shares and bonusshares

CO3: Gain an understanding and ability to work with valuation of goodwill and its methods

CO4: Understand and solve the concepts of valuation of shares: meaning, objectives,determinants and main methods

CO5: Explain the concepts related with profit or loss before and after incorporation andfinal accounts of companies

Subject: Business Statistics-I (3.02)

At the end of the course, students will be able to

CO1: Learn about the history, origin, development, scope, uses and limitations of statistics

CO2: Present the data diagrammatically and graphically

CO3: Know about the concept of measure of central tendency and dispersion

CO4: Learn to calculate moments, skewness and kurtosis

CO5: Identify the different types of measurement of scale

CO6: Analyze the data with the help of correlation and predict the data with the help ofregression

Subject: Business Regulatory Framework-I (3.03)

At the end of the course, students will be able to

CO1: Understand the concept of Indian Contract Act 1872, valid contract and its elements, proposal, acceptance and revocation, contractual capacity of parties, free consent of parties, lawful consideration, agreement declared as void and legal formalities

CO2: Explain in detail the concept of contingent contracts, performance of contracts, discharge, implied, quasi or constructive contracts, breach and indemnity and guarantee

CO3: Learn the contract of bailment and pledge and contracts of agency

CO4: Know about the Consumer Protection Act-1986

Subject: Corporate Law-I (3.04)

At the end of the course, students will be able to

CO1: Know about company, its features, types and merits of incorporation

CO2: Get themselves familiar with promotion of company

CO3: Attain knowledge of memorandum and articles of association of company

CO4: Familiarize with other main documents such as prospectus

CO5: Understand doctrine of indoor management

CO6: Adjudge the borrowing powers of the company

Subject: Human Resource Management (3.05)

At the end of the course, students will be able to

CO1: Learn the qualities of a good HR Manager and functions of HRM

CO2: Process of selection of Employees and techniques of training and development

CO3: Methods of wage payment and special incentives types

CO4: Learn how to maintain good industrial relations

Subject: Fundamentals of Insurance (option-I) (3.06)

At the end of the course, students will be able to

CO1: Know about the concept, history and meaning of insurance and principles ofindemnity, subrogation and warranty

CO2: Learn about the concept of life insurance, main elements, importance, policies,annuities and premium determination under life insurance

CO3: Know about the General Insurance, Marine Insurance : main elements, types andagriculture insurance

CO4: Learn about the Fire Insurance, premium determination, types of policies, importanceof Fire Insurance and Marine Insurance

Subject: Basics of Retailing (option-II) (3.06)

At the end of the course, students will be able to

CO1: Know about retailing and its usage in economy

CO2: Acquaint themselves about careers in retailing

CO3: Identify types of retailing and retailing wheel

CO4: Understand management of retailing operations

CO5: Learn functions of retail management and strategic retail management process

CO6: Enhance their knowledge about retail planning and its importance

Subject: Production Management (option-III) (3.06)

At the end of the course, students will be able to

CO1: Elaborate production process and production management

CO2: Define location and layout

CO3: Plan production with efficient planning techniques

CO4: Interpret quality control and plant maintenance

CO5: Understand the concept of startup small scale enterprises

Semester IV

Subject: Corporate Accounting-II (4.01)

At the end of the course, students will be able to

CO1: Understand and solve the concepts of internal and external reconstruction in thenature of merger and purchase

CO2: Interpret the need and fundamentals of liquidation of a company, to make liquidator'sfinal statement of account accurately

CO3: Gain an understanding and ability to work with final accounts of banking companies

CO4: Learn about the concepts related with NBFC, mutual funds, financial reporting for

financial institutions and stock brokers

CO5: Explain the concepts of holding companies, demonstrate the ability to understand theconcepts related with holding and subsidiary company in detail

Subject: Business Statistics-II (4.02)

At the end of the course, students will be able to

CO1: Learn about the concept of index numbers, types, uses, price index and quantity index number and how to calculate price index numbers and quantity index numbers

CO2: Know about chain base index, base shifting, splicing and deflating, problems in construction of index numbers

CO3: Know about the concept of time series, causes of variations and components of time series and how to compute seasonal indices by simple averages, ratio to trend, ratioto moving averages and link relative methods

CO4: Know about the concept of probability, approaches to probability, conditional probability and Baye's theorem

CO5: Calculate probability using addition and multiplication laws of probability

CO6: Know the concept of probability distribution binomial, poisson and normal distribution and also learn the properties and parameters of these distributions

Subject: Business Regulatory Framework-II (4.03)

At the end of the course, students will be able to

CO1: Know about the Indian Partnership Act, 1932

CO2: Learn the Negotiable Instruments Act, 1981

CO3: Know and read the Sales of Goods Act 1930, Contract of Sale, Conditions and Warrantees, transfer of Property or Ownership, Performance of the contract - delivery and payment, unpaid seller and suits for Breach of Contract

CO4: Learn and explain the Right To Information Act, 2005

Subject: Corporate Law-II (4.04)

At the end of the course, students will be able to

CO1: Know about DMAT/paperless trending in stock market

CO2: Have knowledge of structure of share capital of company

CO3: Learn about rights and responsibilities of members/shareholders of company

CO4: Acquaint themselves with meetings of Shareholders and Board of Directors

CO5: Familiarize with powers and duties of directors

CO6: Get information about winding up process of company

Subject: Marketing Management (4.05)

At the end of the course, students will be able to

CO1: Know the basis of segmenting the market

CO2: Analyze the factors that affect the behaviour of buyers

CO3: Learn strategies to define the price of a product

CO4: Have knowledge about the Media of advertising and techniques of sales promotion

Subject: Business Ethics (option-I) (4.06)

At the end of the course, students will be able to

CO1: Define liberty, equality, justice, rights and recognition

CO2: Inculcate domain of politics, ethics market, globalization and different types ofreasoning

CO3: Acquaint themselves with corporate code of ethics and corporate social responsibilitytowards business

CO4: Understand the basics of corruption, corporate scandals and other malpractices inbusiness

Subject: Banking and Banking Law (option-II) (4.06)

At the end of the course, students will be able to

CO1: Know about the banks, commercial banks, functions and problems of NPA, structure and credit creation of banks

CO2: Learn about the RRB and cooperative banking in India along with RBI, its functions and Monetary Policy

CO3: Explain in detail determination and regulation of interest rates in India

CO4: Demonstrate the ability to understand the concepts related with negotiable instruments, features of negotiable instruments, capacity of parties and liability of maker of notes and acceptor of bills and endorsements

Subject: Secretarial Practices (option-III) (4.06)

At the end of the course, students will be able to

CO1: Know about the Introduction of company secretary and be familiar with the formationof company and company secretary

CO2: Learn about issue and allotment of shares

CO3: Have knowledge about share certificate and share warrant

CO4: Know about the calls on shares, forfeiture of shares

CO5: Familiarize themselves about transfer and transmission of shares

CO6: Know about the company meetings, requisites of a valid meeting, meeting ofshareholders

CO7: Acquaint themselves with the motions and resolutions, voting and proxy

Semester V

Subject: Taxation Law-I (5.01)

At the end of the course, students will be able to

CO1: Identify various hands of incomes

CO2: Distinguish between incomes and receipts and gain knowledge of other technicalvocabulary inclusive of residential status

CO3: Find out exempted incomes under income tax law

CO4: Learn in depth knowledge of deductions available under income tax act 1961

CO5: Understand how to make adjustments regarding carry forward of losses

CO6: Know about deemed incomes and clubbing of incomes

Subject: Cost Accounting-I (5.02)

At the end of the course, students will be able to

CO1: Understand the fundamentals of cost, its types Cost accounting: meaning, features, scope, techniques, methods, importance and limitations including differences andsimilarities of cost accounting system with financial accounting

CO2: Understand and solve the concepts of material, material control and methods of valuing material issues along with the concept of wastage of material and its types

CO3: Explain in detail the labour cost control meaning, methods and treatment of problems related with labour cost

CO4: Demonstrate the ability to understand the various systems of wage payments

CO5: Describe in detail concept of overheads collection, classification, allocation, apportionment and absorption of O/H's

CO6: Explain in detail the unit and output costing: meaning and objectives, cost sheetmeaning, performa, types, preparation of cost sheet, determination of tender price, production account and its types

CO7: Describe numerically the reconciliation of cost and financial accounts: meaning,objectives and procedure

Subject: Accounting for Management (5.03)

At the end of the course, students will be able to

CO1: Learn Management Accounting and its use for the management in a businesscorporation

CO2: Discuss tools adopted in management accounting such as : analysis and interpretationof financial statements, ratio analysis and cash flow analysis

CO3: Understand cash budgeting, its meaning and use in appraisal to projects in a business

Subject: Financial Market Operations (5.04)

At the end of the course, students will be able to

CO1: Know the concept of money market, Indian money markets composition and structure, acceptance houses, discount houses, call money market, recent trends in Indian money market

CO2: Know the concept of capital market, security market, new issue market, secondary market

CO3: Know the concept of National stock exchange, and over the counter exchanges

CO4: Know about SEBI-Role and its powers, objectives, scope and functions

CO5: Know about the concept of investor protection and grievances concerning stockexchanges and dealing and their removal

CO6: Know about the brokers, sub brokers, market makers, jobbers, portfolio consultants, institutional investors, depository and merchant banking

CO7: Know about the role, policy measures relating to development financial institutions inIndia, products and services offered by IFCI, IDBI, EXIM, NABARD and ICICI

Subject: Entrepreneurship and Small Scale Industries (5.05)

At the end of the course, students will be able to

CO1: Define entrepreneurship and small business entrepreneurial competences andmotivation

CO2: Correlate the role of innovation and business research with enterprises alongwith newbusiness ideas

CO3: Describe managerial roles in designing and redesigning business processes and layoutCO4: Understand the issues of marketing, advertising and publicity with monetary and

fiscal policies

CO5: Emphasize the desirability as well as feasibility of career in entrepreneurship

Subject: International Trade (option-I) (5.06)

At the end of the course, students will be able to

CO1: Know about international trade

CO2: Understand the modes of entering into international business

CO3: Get knowledge of various theories of trade

CO4: Assess international markets and promotion policies

CO5: Design products for foreign markets including branding policies

CO6: Differentiate between internationalization and globalization

Subject: Investment Management-V (option-II) (5.06)

At the end of the course, students will be able to

CO1: Describe the meaning, process and nature of investment, the concept and measurement of investment risk and return along with identification of investment opportunities, speculation, gambling and investment activities

CO2: Explain in detail the efficient market theory or hypothesis, technical analysis: Dow theory, charting techniques and volume indicators

CO3: Discuss about fundamental analysis, company analysis, industry analysis and economy analysis, technical Vs fundamental analysis

CO4: Make proper understanding of secondary market and online trading, BSE, derivatives concept, meaning, types, uses and explain the option contracts meaning, uses andtypes

Subject: International Business Environment (option-IV) (5.06)

At the end of the course, students will be able to

CO1: Define international business environment, its components, approaches and conceptof globalization

CO2: Understand the modes of entry into international business, value of FDI

CO3: Know about the international theories of trade, role of WTO, IMF in internationaltrade

CO4: Describe the different concepts of international distribution like designing ofproducts, branding decision, international pricing, international logistic

Semester VI

Subject: Taxation Law-II (6.01)

At the end of the course, students will be able to

CO1: Assess the taxable income as per income tax law

CO2: Compute tax liability of individuals, H.U.F. and Partnership Firm

CO3: Calculate and identify deductions available for assesses

CO4: Know what incomes are exempted from income tax

CO5: Learn how to go for online filing of return

CO6: Know about penalties and fines in case of disobedience of law

Subject: Cost Accounting-II (6.02)

At the end of the course, students will be able to

CO1: Understand the fundamentals of process account: meaning, uses, treatment of normal, abnormal wastage, abnormal effectiveness, treatment of opening and closing stock (excluding WIP)

CO2: Understand the concept of joint product and by-product and main methods of apportionment of joint cost, inter profit, profits

CO3: Describe in detail the concept, meaning, features and preparation of contract account, escalation clause, contract near completion, cost plus contract, job and batch costing

CO4: Explain in detail the meaning of budget, budgeting and budgetary control, limitations, forecasts and budgets, installation of budgeting control system, classification of budgets, fixed and flexible budgets, performance and responsibility accounting

CO5: Demonstrate the ability to understand the meaning, limitations, std costs and budgeted costs, cost variance, direct material and direct labour only

CO6: Explain the concept of marginal costing, absorption costing, CVP analysis, BEPT analysis, key factor, BE chart, angle of incidence, concept of decision making and steps involved, determination of sales mix, make or buy decisions

Subject: Financial Management (6.03)

At the end of the course, students will be able to

CO1: Understand the nature of financial management, its goal and objectives. Function of financial management and ways of financial planning

CO2: Learn meaning, nature and planning of the most important aspect of financial management i.e. working capital management. It also includes management of cash, marketable securities and receivables management

CO3: Discuss significance and determination of cost of capital

CO4: Know about capital structure and dividend theories and policies

Subject: Auditing (6.04)

At the end of the course, students will able to

CO1: Learn about the concept of auditing, meaning, objectives, importance and types of auditing

CO2: Know the process of audit and know the concept of internal control, internal checkand internal audit and audit programmer

CO3: Know about the audit procedure, routine checking, vouching

CO4: Know about verification and valuation of assets and liabilities

CO5: Know about the audit of public company and also learn qualification, appointment ofcompany auditors, their powers, duties and liabilities

CO6: Know the concept of audit of depreciation and reserves, divisible profits anddividends

CO7: Know the concept of audit report and investigation and learn how to prepare auditreport

Subject: INDIRECT TAX (6.05)

At the end of the course, students will be able to

CO1: Get basic knowledge of INDIRECT TAX CO2: Determine supply composite and mixed supply

CO3: Analyze composition levy and composition scheme under INDIRECT TAX

CO4: Determine input tax credit and reversal of credit in case of banking and financialinstitutions

CO5: Understand and become aware of practical problems of INDIRECT TAX for their owninterest

Subject: International Marketing (option-I) (6.06)

At the end of the course, students will be able to

CO1: Define the nature and concepts of international marketing

CO2: Understand the international product trade cycle and informations, international pricequotation and payment terms

CO3: Know the channel structure and selection decisions, appointment of foreign saleagents and export procedure and documentation

CO4: Evaluate the methods of product promotion, challenges in international advertising,media strategy, web marketing organizing trade fairs and exhibitions

Subject: Essentials of E-Commerce-II (option-III) (6.06)

At the end of the course, students will be able to

CO1: Explain in detail the concept of E-Commerce, types, business models in emerging E- Commerce areas, applications in E-Commerce and future of E-Commerce

CO2: Demonstrate the ability to understand the internet key technology concepts, switching techniques, TCP/IP, IP address, domain names, URL, Client/Server computing, internet protocol WWW, internet and web features, internet and extranet, VPN, firewall, web browser and elements of networking

CO3: Understand the elements or concepts of E-commerce such as E-visibility, E-shop, online payments, E-security, E-business and the concept of virtual auctions, online share dealing, e-diversity, benefits of auctions, types and examples of online auctions

CO4: Recognize the need of an electronic CRM, its goal, applications and its role in Indian banking, technology use in CRM, E-Commerce marketing communications, online advertising, display ads, search

engine advertising, sponsorships, E-mail marketing, online catalogs, social networking, offline advertising, retail sector and advantages and disadvantages of online retail

Subject: Tax Planning and Management (option-IV) (6.06)

At the end of the course, students will be able to

CO1: Have knowledge of tax planning, tax evasion, tax management and tax avoidance

CO2: Know about tax planning for employees

CO3: Tax planning for businessmen

CO4: Tax planning in relation to capital gains and other sources of income

CO5: Tax planning for partnership firm, body of individuals

CO6: Get knowledge regarding tax planning in relation to setting up of new business

Programme Name - B.Com.(Hons.)

PROGRAMME OUTCOMES OF B.Com.(Hons.)

After completing B.Com.(Hons.), students will be able to

PO1: Gain a thorough knowledge in fundamentals of management, finance, statistics,taxation, economy and international business and ethics

PO2: Set up a computerized set of accounting books

PO3: Apply ethical principles for effective and efficient working in a business environment

PO4: Demonstrate progressive learning of various tax issues and forms related to individuals

PO5: Develop communication skills which will enable them to interact in a moreconstructive manner

PO6: Pursue research work in the fields of marketing, finance

PROGRAMME SPECIFIC OUTCOMES OF B.Com.(Hons.)

PSO 1: This programme would train students for latest economic challenges, trends ofmarkets and provide the students professional training for working in Banking sector, Insurance companies, Financing companies etc.

PSO 2: Graduates in Commerce Honours will acquire skills and knowledge to becomestock agents, managers, accountants etc.

PSO 3: This programme would train the students to gain knowledge of statistics andlaw

PSO 4: Graduates in Commerce Honours will get firsthand experience on how to acquire skills for marketing managers, sales managers and as administrators inany company

PSO 5: The knowledge of this course would facilitate the students to apply capitalbudgeting techniques for investment techniques

Semester I

Subject: Introduction to Statistics (BCH-1.01)

At the end of the course, students will be able to

CO1: Develop an understanding of collection, classification and presentation of data

CO2: Differentiate and learn different concepts of central tendency and variations

CO3: Assess the meaning of moments, skewness and kurtosis

CO4: Analyze the importance and application of index numbers

CO5: Comprehend the theory of probability distribution

CO6: Describe correlation and regressions analysis

CO7: Take logical statistical decision regarding expected opportunity loss and statisticalquality control

CO8: Memorize the various components and models of time series analysis

Subject: Business Communication (BCH-1.02)

At the end of the course, students will be able to

CO1: Understand the meaning and importance of business communication

CO2: Identify the different parts of writing messages

CO3: Classify basic forms of communication pattern

CO4: Determine the appropriate communication channel

CO5: Design a project report on industrial visit

CO6: Create formal and informal reports

CO7: Compose e-mail and memos

CO8: Recognize common tools for effective presentation

CO9: Restate key principles of effective public speaking

Subject: Business Organization (BCH-1.03)

At the end of the course, students will be able to

CO1: Describe India's experience of globalization, liberalization and privatization

CO2: Identify entrepreneurial opportunities in contemporary business environment

CO3: Explain different forms of business ownership

CO4: Analyze various functional aspects of business such as marketing, finance and HR

CO5: Understand the meaning of MNCs, network marketing, franchising, BPO, E-Commerce and M-Commerce

CO6: Discuss the role of creativity and innovation

Subject: An Introduction to Accounting (BCH-1.04)

At the end of the course, students will be able to

CO1: Understand the concept of accounting and bases of accounting

CO2: Familiarize with GAAP and types of accounting standards

CO3: Recall the whole accounting process

CO4: Become aware of capital and revenue expenditure and receipts

CO5: Describe depreciation concepts and methods clearly

CO6: Explain preparation of financial statements of non-corporate business entities

Subject: Fundamentals of Economics (BCH-1.05)

At the end of the course, students will be able to

CO1: Demonstrate the knowledge of the laws of demand and supply

CO2: Explain and calculate elasticity of demand and supply

CO3: Understand the concept of consumer equilibrium with the help of ordinal approach

CO4: Describe the concept of consumer, behaviour

CO5: Analyze the laws of production

CO6: Discuss the application of theory of production

CO7: Understand the concept of producer's optimization

Subject: Business Law-I (BCH-1.06)

At the end of the course, students will be able to

CO1: Appreciate the relevance of business law to individual and business

CO2: Identify the fundamental legal principles behind contractual agreements

CO3: Examine how business can be held liable in tort for the action of their employees

CO4: Understand the relevance of the special contracts like indeminity, guarantee, bailment, pledge and agency

CO5: Explain the contract of sale and its implications

Semester II

Subject: Financial Accounting for Business (BCH-2.01)

At the end of the course, students will be able to

CO1: Analyze the concept of higher purchase system and Installment Payment system

CO2: Give Introduction to tally program

CO3: Learn the concept of Royalty accounts

CO4: Generalize dependent and independent branch system

CO5: Discuss Partnership accounts

Subject: Business Economics (BCH-2.02)

At the end of the course, students will be able to

CO1: Classify various types of costs

CO2: Comprehend different market situations

CO3: Compare various market structures

CO4: Discuss the concept of stable equilibrium

CO5: Explain the difference between developed and underdeveloped countries

CO6: Understand the concept of economic growth and development

CO7: Apply economic analysis to the management of the environment and natural resources

Subject: Business Statistics (BCH-2.03)

At the end of the course, students will be able to

CO1: Describe Correlation Analysis

CO2: Assess Regression Analysis

CO3: Develop an understanding of Binomial, position and normal distribution

CO4: Take logical statistical decision regarding expected opportunity loss and statisticalquality control

CO5: Memorize the various components and models of time series analysis

Subject: Business Management (BCH-2.04)

At the end of the course, students will be able to

CO1: Describe various management approaches and its applications

CO2: Understand the basic functions of management

CO3: Classify and correlate various type of growth strategies

CO4: Evaluate various techniques and theories of motivation

CO5: Explain the process and techniques of controlling

CO6: Identify the process of effective communication and its usage

Subject: Business Law-II (BCH-2.05)

At the end of the course, students will be able to

CO1: Understand applicability of Indian Partnership Act, 1932

CO2: Learn Industrial Dispute Act, 1947 like provision related to strike, lock out, lay off,retrenchment

CO3: Gain awareness regarding health, safety and welfare of workers working in factory

CO4: Understand Factories Act, 1947, its provisions regarding working hours of adults, employment of young persons

CO5: Learn Foreign Exchange Management Act and its features

Subject: Introduction to Computer (BCH-2.06)

At the end of the course, students will able to

CO1: Identify the components of computer and will be able to assemble the parts of computer. Students will be able to work in different OS environment and will be able to classify different types of programming language

CO2: Understand the network elements, its topology and types. Students will be able to work with LAN environment

CO3: Work with MS-Word software and also take knowledge of different commands like - mail merge, macro, format, spell check and table creation, etc/

CO4: Different internet concepts, benefits, hardware and software requirements, its applications.

CO5: Work with MS-Excel software and also take knowledge of different commands like - Pivot table, goal seek, charts, filter, sort and print the worksheet, etc.

CO6: Work with MS-Access software and also take knowledge of different objects like -table, reports, forms, etc.

Semester III

Subject: Business Mathematics (BCH-3.01)

At the end of the course, students will be able to

CO1: Know about the Algebra of matrices, determinants, a joint and in very of matrices

CO2: Learn about elementary operations on matrices, system of linear equations, Leontief

input-output model

CO3: Compute compound interest, annuities, time value of money

CO4: Understand differentiation and integration

CO5: Describe linear programming: Graphic method and simplex methodCO6: Use set theory in practical problems

Subject: Corporate Accounting-I (BCH-3.02)

At the end of the course, students will be able to

CO1: Recall the meaning of shares and debentures

CO2: Introduce the students meaning of issue of shares and debentures and their proceedings

CO3: Analyze different methods of valuation of goodwill and valuation of shares

CO4: Become aware of the concept of final accounts and P & L prior incorporation

CO5: Discuss and make students aware about holding companies

CO6: Analyze the difference between holding and subsidiary company

Subject: Cost Accounting (BCH-3.03)

At the end of the course, students will be able to

CO1: Illustrate the concept of cost accounting and inventory control techniques

CO2: Practice the concept of labour cost and overhead cost accounting

CO3: Differentiate cost and financial accounting

CO4: Summarize the concept of contract costing and process costing

CO5: Understand the concept of unit costing

CO6: Describe the concept of reconciliation of cost and financial accounting

Subject: Company Law-I (BCH-3.04)

At the end of the course, students will able to

CO1: Understand the concept of companies and types of companies

CO2: Describe the functions and importance of promotes

CO3: Discuss the contents of prospectus

CO4: Analyze the doctrine of ultra virus and doctrine of indoor management

CO5: Distinguish between memorandum of association and articles of association

CO6: Identify the debentures and their types

Subject: Principles of Marketing (BCH-3.05)

At the end of the course, students will able to

CO1: Understand the concept and scope of marketing

CO2: Describe the significance of consumer behaviour

CO3: Analyze the basis for market segmentations

CO4: Differentiate between branding and trademark

CO5: Explain the types and factors affecting choice of a distribution channel

CO6: Generalize the importance and salient features of an effective advertising

Subject: Basic of Information Technology (BCH-3.06)

At the end of the course, students will be able to

CO1: Gain knowledge about data information, data processing and application of EDP (Electronic Data Processing)

CO2: Know the concept of memory, memory types, knowledge of software and their role, different types of operating system and their functions

CO3: Learn about data communication system, data transmissions; know the concept of transmission modes and media

CO4: Know the concept of E-commerce and their usage, e-commerce types, advantages and disadvantages and its application, and learn the concept EDI, Bluetooth, Infrared communication and smart card

CO5: Learn about computer network, its type and topologies, internet concept, history and benefits and be a familiar with multimedia concept, components and application

CO6: Know the practical concept of MS-Power point and tally software, learn use of slide creation, animation with sounds, practical approach of creating vouchers

Semester IV

Subject: Corporate Accounting-II (BCH-4.01)

At the end of the course, students will be able to

CO1: Analyze the concept of amalgamation and internal reconstruction of companies

CO2: Familiarize themselves with the fundamentals of Banking companies accounts andunderwriting of shares and debentures

CO3: Discuss and understand the concept of liquidation

CO4: Become aware of accounts of electricity company and double accounts system

Subject: Business Ethics (BCH-4.02)

At the end of the course, students will be able to

CO1: Define the terms politics, liberty, equality, justice, rights and recognition

CO2: Analyze the approaches to moral reasoning : consequentalism

CO3: Apply the politics and ethics in Business : environment, accountability, responsibility,leadership, diversity

CO4: Discuss about corporate social responsibility

CO5: Recognize about gender sensitization

CO6: Explain the term corruption, corporate scandals, whistle blowing

Subject: Company Law-II (BCH-4.03)

At the end of the course, students will be able to

CO1: Explain depository system and paperless trading

CO2: Differentiate between shareholders and members

CO3: Memorize the essentials and kinds of meetings

CO4: Classify the different modes of winding up

CO5: Discuss the duties, powers and liabilities of director

CO6: Analyze the consequences of winding up

Subject: Auditing (BCH-4.06)

At the end of the course, students will be able to

CO1: Describe the term audit, its objectives, internal control, internal check and internalaudit

CO2: Explain classification of audit

CO3: Explain routine checking, vouching and verification of assets and liabilities

CO4: Evaluate audit of limited companies

CO5: Develop audit report

CO6: Analyze the meaning, nature and objectives of investigation, cost audit, managementaudit and tax audit

Subject: Statistical Analysis with MS-Excel (BCH-4.04)

At the end of the course, students will be able to

CO1: Classify data collection methods. Differentiate experiment and survey

CO2: Explain data and parathion process, missing values and otliers

CO3: Illustrate descriptive statistics

CO4: Discuss hypothesis tests

CO5: Summarize chi-square test

CO6: Define ANOVA, explain SPSS (Statistical Package for Social Sciences)

Subject: Financial Institutions and Markets (BCH-4.05)

At the end of the course, students will be able to

CO1: Understand the concept of financial institutions

CO2: Describe the context of banking and financial system

CO3: Elucidate the board functions and categories of financial institutions

CO4: Compare and contrast different types of money market instruments

CO5: Discuss the role of merchant banker in financial system

CO6: Differentiate between money market and capital market

CO7: Get familiar the concept of venture capital

CO8: Appraise the problems and prospects of leasing industry in India

Semester V

Subject: Financial Management (BCH-5.01)

At the end of the course, students will be able to

CO1: Explain the concept of financial planning

CO2: Analyze leverage and cost of capital

CO3: Assess various capital structure theories and its determinants

CO4: Generalize the concept of working capital and its determinants

CO5: Summarize working capital management, cash management and receivable management

CO6: Become Familiar with the concept of dividend decision and its various models

Subject: Investment Analysis (BCH-5.02)

At the end of the course, students will be able to

CO1: Describe meaning, nature and process of investment

CO2: Classify between different investment avenues

CO3: Measure risk and return of investment

CO4: Distinguish between fundamental analysis and technical analysis

CO5: Generalize various charting techniques and DOW theory

CO6: Deduce various forms of EMM and its empirical evidence

CO7: Evaluate trading mechanism in Bombay stock exchange

CO8: Discuss derivatives in Indian Capital Market

Subject: Money and Banking (BCH-5.03)

At the end of the course, students will be able to

CO1: Understand the concept of money

CO2: Analyze the importance of money in various economic systems

CO3: Discuss the circular flow of money

CO4: Explain the causes and effects of inflation

CO5: Describe the functions of commercial and central banksCO6: Know the concepts of banking

CO7: Apply key models and concepts of monetary economics and banking theory to currentevents

Subject: Contemporary Issues in Commerce (BCH-5.04)

At the end of the course, students will be able to

CO1: Provide an insight into contemporary and emerging issues in the field of finance,marketing and human resource

CO2: Explain the recent trends in banking and financial services

CO3: Discuss the current status of India's BOP and trends in overall balance of payment

CO4: Evaluate the role of tax regulations in economic growth

CO5: Become familiar with the basic concepts and activities of microfinance in India

CO6: Analyze the impact of modern retailing challenges in India

CO7: Develop implement and evaluate rural marketing strategies

CO8: Solve various problems with respect to workforce diversity

Subject: Income Tax (BCH-5.05)

At the end of the course, students will be able to

CO1: Understand the concept of income and income tax

CO2: Classify assesses on the basis of their residence

CO3: Explain exempted income of tax

CO4: Understand how to compute income from salary, house property, profit and gains ofbusiness and profession, capital gains and other sources

CO5: Consider whether and how to set off and carry forward losses after claimingvarious deduction from total income

Subject: Entrepreneurship and Small Scale Business (BCH-5.06)

At the end of the course, students will be able to

CO1: Understand the meaning of entrepreneurship and its role

CO2: Discuss about entrepreneurial competencies, motivation, performance and rewards

CO3: Associate opportunity scouting and idea, role of creativity and innovations andbusiness research

CO4: Understand designing and redesigning business processes, location, layout, operationsplanning and control

CO5: Develop the idea of consortium marketing, competitive bidding/tender marketing,negotiation with principal customer

CO6: Familiarize themselves with the concept of product life cycle, advertising andpublicity, sales and distribution management

Semester VI

Subject: Accounting for Managers (BCH-6.01)

At the end of the course, students will able to

CO1: Understand the techniques and limitations of management accounting

CO2: Generalize the tools and approaches of financial statement analysis

CO3: Analyze the objectives and accounting procedure of cash flow statement

CO4: Discuss the accounting for price level changes

CO5: Calculate the BEP, P/V, ratio, margin of safety

CO6: Evaluate the various variance analysis including material, labour and overheadvariance

Subject: Income Tax Law and Administration (BCH-6.03)

At the end of the course, students will be able to

CO1: Analyze the total income and total tax liability of the assesses after computing rebateand relief of tax

CO2: Assess tax of HUF, firms and AOP

CO3: Fill and file return of income

CO4: Describe tax authorities along with various procedures for assessment

CO5: Discuss recovery, refund of tax and appeals, penalties, offences and prosecutionprovisions

Subject: Retail Management and Sales Procedures (BCH-6.06)

At the end of the course, students will be able to

CO1: Explain the present and future of retailing in India

CO2: Distinguish different types of retailers

CO3: Associate retailing modelsCO4: Define wheel of retailing

CO5: Memorize strategic retail management process

CO6: Classify pricing and location strategy

Subject: Project Planning and Management (BCH-6.02)

At the end of the course, students will be able to

CO1: Understand the term project planning, strategy and capital allocation and generationof project ideas

CO2: Analyze market and demand analysis, time value of money

CO3: Generalize the valuation of real options and various sources of projects, venturecapital and private equity

CO4: Summarize various project network techniques and project administrative aspects

CO5: Assess special decision situation

Subject: Business Environment and International Business (BCH-6.05)

At the end of the course, students will be able to

CO1: Describe the components of business environment

CO2: Analyze the nature of Indian economy

CO3: Apply economic theories and concepts to contemporary social issues

CO4: Demonstrate the ability to employ the economic way of thinking

CO5: Identify global, historical and institutional forces

CO6: Discuss international business environment

CO7: Understand the theories of international trade

CO8: Classify the various mode of entry in international business

CO9: Become aware of the various international institutions

Subject: Human Resource Management (BCH-6.04)

At the end of the course, students will be able to

CO1: Define the concept of HRM

CO2: Examine the future role of Human Resource Management

CO3: Explain the various steps involved in selection of personnel

CO4: Design a sound employee training programme

CO5: Evaluate the effectiveness of training programme

CO6: Appraise the HR challenges in recruitment

CO7: Discuss the machinery for prevention of disputes

CO8: Assess various methods of wage payments

CO9: Familiarize with the basic concept of HRD

SCHEME OF EXAMINATIONS:B.A. (HONS.)
ENGLISH SEMESTERS I TO VI
SESSION 2017-18
(SEMESTER I)

Programme Specific Outcomes:

P.S.O.1. Ability to relate literature to its wider intellectual, artistic, and cultural context
P.S.O.2. Initial grounding in English literature and attainment of a certain level of competence in English language usage
P.S.O.3. Exposure and introduction to varieties of literature composed in English language
P.S.O.4. Academic competence in comprehending literature
P.S.O.5. Grounding in reading literature as part of contemporary discursive discourse

P.S.O.6. Ability and eligibility to impart instruction in English language and literature at college and university levels

Course Name of Paper	M. Marks	Theory	Int. Ass.
IIntroduction to Poetry and Related Literary Terms	100	80	20
II Introduction to Fiction and Related Literary Terms	100	80	20
III English Phonetics and Grammar	100	80	20
IV Hindi	100	80	20
V Political Science	100	80	20

Course: I
Course Code: ENG01
Nomenclature of the Course: Introduction to Poetry and Related Literary Terms
Total Marks: 100 Theory: 80 Internal Marks: 20
Time: 3 Hours

Course Outcomes:

C.O.1. Students become familiar with the prominent poets of the period and their works
C.O.2. Having become familiar with the political, historical, social and intellectual background of the period, the students develop a critical perspective to reading the poetic works of the period 9
C.O.3 Students are able to situate literary texts within historical, political, and cultural contexts C.O.4. Enables students to develop a finer aesthetic sense

Course: II
Course Code: ENG02
Nomenclature of the Course: Introduction to Fiction and Related Literary Terms
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes
C.O.1. Familiarity with the prominent writers of the period and their works
C.O.2. Development of a critical perspective to read literary works of the period
C.O.3. Ability to situate literary texts within historical, political, and cultural contexts
C.O .4. Enables students to develop an eye and an ear for appreciating fiction

Course: III Course
Code: ENG03
Nomenclature of the Course: English Phonetics and Grammar
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:
C.O.1. Acquainted with elementary phonology
C.O.2. Learning of mechanics of writing of English language
C.O.3. Better communication skills - both spoken and written
C.O.4Enhance the level of communication through verb patterns

Course: IV
Course Code: HI01
Nomenclature of the course: Hindi
Total marks: 100
Theory: 80 Internal Marks: 20

Course: V
Course Code: PS01
Nomenclature of the course: Political Science
Total marks: 100
Theory: 80 Internal Marks: 20

B.A. (HONS.)

SESSION 2017-18
(SEMESTER II)

Course Name of Paper	**M. Marks**	**Theory**	**Int. Ass.**	
I Introduction to Drama and Related Literary Term	100	80	20	II
Introduction to prose and Related Literary Terms	100	80	20	
III Essentials of Communication	100	80	20	
IV Hindi	100	80	20	
V Political Science	100	80	20	

Scheme of Examination
Course: VI
Course Code: ENG04
Nomenclature of the Course: Introduction to Drama and Related Literary Terms
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:

C.O.1. Understanding of different forms of drama
C.O.2. Understanding of technical aspects of drama
C.O.3. Primary skills to appreciate drama stylistically and contextually

Scheme of Examination
Course: VII
Course Code: ENG05
Nomenclature of the Course: Introduction to Prose
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:

C.O.1 Understand different forms of prose
C.O.2 Learning of literary and prosodic features of prose
C.O.3 Ability to appreciate prose works stylistically and contextually

Scheme of Examination

Course: VIII
Course Code: ENG06
Nomenclature of the Course: Essentials of Communication
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:
C.O.1.Knowledge of the scope and significance of communication
C.O.2. Acquisition of English language used in the professional world
C.O.3. Enhanced communicative skills – both general and academic

Course:IX
Course Code: HI02
Nomenclature of the Course: Hindi
Total Marks: 100
Theory: 80 Internal Marks: 20

Course: X
Course Code: PS02
Nomenclature of the Course: Political Science
Total Marks: 100
Theory: 80 Internal Marks: 20

B.A. (HONS.)
SESSION 2017-18

(SEMESTER III)

Course Name of Paper	**M. Marks**	**Theory**	**Int. Ass.**
I History of English Literature 1350-1660	100	80	20 II
English Poetry 1350-1660100	80	20	
III English Drama 1350-1660100	80	20	
IV English Prose 1350-1660	100	80	20
V Political Science	100	80	20

Scheme of Examination
Course: XI
Course Code: ENG07
Nomenclature of the Course: History of English Literature (1350-1660)
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:
C.O.1. Understanding of socio-political and literary background of English Literature of the14th & 15th centuries
C.O.2. Familiarity with prominent writers and celebrated works of the 14th and the 15th centuries C.O.3 Familiarity with the genesis of the literature of English language and its intersections with literatures of other European countries
C.O.4 Familiarity with the genesis of the literature works of early 16^{th} century.

Scheme of Examination

Course: XII
Course Code: ENG08
Nomenclature of the Course: English Poetry (1350-1660)
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:
C.O.1. Acquisition of knowledge to appreciate literary works of the pioneers of English literature C.O.2. Ability to relate different forms of poetryrelative to the contemporary narratives (1350-1660) C.O.3. Treat literary texts as illustrations of the dynamics of famous poets and their works
C.O.4. Ability to appreciate multifarious forms of poetry stylistically and contextually

Scheme of Examination
Course: XIII
Course Code: ENG09
Nomenclature of the Course: English Drama (1350-1660)
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:
C.O.1. Understand different forms of drama from 1350-1660
C.O.2. Ability to appreciate dramatic texts of comedy, tragedy and tragicomedy
C.O.3. Understand the growth of British drama
C.O.4. Ability to relate different features of drama and relate these to contemporary works

Scheme of Examination
Course: XIV
Course Code: ENG10
Nomenclature of the Course: English Prose (1350-1660)
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:
C.O.1. Sensitivity to literariness of the non-literary texts
C.O.2. Ability to appreciate polemics
C.O.3. Ability to contextualize literary texts within philosophical framework
C.O.4. Ability to appreciate literary movements of contemporary time(1350-1660)

Scheme of Examination
Course: XV
Course Code: PS03
Nomenclature of the Course: Political Science
Total Marks: 100
Theory: 80 Internal Marks: 20

B.A. (HONS.)

SESSION 2017-18
(SEMESTER IV)

Course Name of Paper	**M. Marks**	**Theory**	**Int. Ass.**	
I History of English Literature1660-1798	100	80	20	II
English Poetry 1660-1798	100	80	20	
III English Drama and Prose1660-1798	100	80	20	
IV English Novel 1660 -1798 100		80	20	

V	Political Science	100	80	20

Scheme of Examination
Course: XV1
Course Code: EN11
Nomenclature of the Course: History of English Literature (1660-1798)
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:
C.O.1. Understanding of the socio-political and literary background of English Literature of the Neo-Classical age.
C.O.2. Ability to relate the growth of new social formations and literary forms
C.O.3. Understanding of literature of the age through an extensive study of the selected literary texts and writers

Scheme of Examination
Course: XVII
Course Code: EN12
Nomenclature of the Course: English Poetry (1660-1798)
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:
C.O.1. Familiarity with the prominent poets of the period and their works
C.O.2. Development of a critical perspective to reading the poetic works of the period
C.O.3. Ability to situate literary texts within historical, political, and cultural contexts
C.O.4. Development of a finer poetic taste and sensibility

Scheme of Examination
Course: XVIII
Course Code: EN13
Nomenclature of the Course: English Drama and Prose (1660-1798)
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:
C.O.1. Enables to appreciate the dramatic renderings of the post restoration cultural and politico-economic trends
C.O.2. Sensitivity about the change in literary sensibilities
C.O.3. Understanding the wider implications of prevalent intellectual trends through dramatic texts C.O.4. Awareness of the creative responses to the 18th century religious, political, economic and cultural trends
C.O.5. Understanding of the periodical essay as a literary form and understanding the interface of literature and empiricism
C.O.6. Ability to understand use of language for creative, critical, and intellectual deliberations

Scheme of Examination
Course: XIX
Course Code: EN14
Nomenclature of the Course: English Novel (1660-1798)
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:

C.O.1. Comprehension of the genesis and development of British novel
C.O.2. Acumen to appreciate novel as a reflection of contemporary cultural aspirations and tensions C.O.3. Critical understanding of English novel as a genre and acquisition of basic skills in genre criticism

Scheme of Examination
Course: XX
Course Code: PS04
Nomenclature of the Course: Political Science
Total Marks: 100
Theory: 80 Internal Marks: 20
B.A. (HONS.)

SESSION 2017-18
(SEMESTER V)

Course Name of Paper	**M. Marks**	**Theory**	**Int. Ass.**
I History of English Literature 1798-1914	100	80	20
II English Poetry 1798-1914	100	80	20
III English Novel 1798 -1914	100	80	20
IV English Prose 1798-1914	100	80	20
V Political Science	100	80	20

Scheme of Examination
Course: XX1
Course Code: EN15
Nomenclature of the Course: History of English Literature 1798-1914
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:
C.O.1. Ability to contextualize Victorian literature in its varied forms of cultural movements
C.O.2. Ability to locate 19th century individual texts in the complex cultural phenomena
C.O.3. Development of awareness of the creative responses to the 19th century religious, political, economic and cultural trends

Scheme of Examination
Course: XXII
Course Code: EN16
Nomenclature of the Course: English Poetry 1798-1914
Total Marks: 100
Theory: 80 Internal Marks: 20

Course outcomes:
C.O.1. Familiarity with the prominent poets of the period and their works
C.O.2. Development of an academically sound perspective for reading the poetic works of the period
C.O.3. Ability to situate literary texts within their historical, political, and cultural contexts

Scheme of Examination
Course: XXIII
Course Code: EN17
Nomenclature of the Course: English Novel 1798 -1914
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:
C.O.1. Awareness of the changing contours of English Philosophy within Enlightenment with focus on Utilitarianism and industrialism
C.O.2. Appreciation of literary works as artistic creations to the advancing world since mid-19th century
C.O.3. Ability to relate philosophical postulations with literature

Scheme of Examination
Course: XXIV
Course Code: EN18
Nomenclature of the Course: English Prose 1798 -1914
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcome:
C.O.1. Appreciation of literary narratives as artistic creations to the fast-changing world since mid-19th century
C.O.2. Awareness of the various scientific movements and literary movements in the 19th century.
C.O.3. Ability to understand use of language for creative, critical, and intellectual deliberations
C.O.4 Awareness of the creative responses to the 19th century religious, political, economic and cultural trends

Scheme of Examination
Course: XXV
Course Code: PS05
Nomenclature of the Course: Political Science
Total Marks: 100
Theory: 80 Internal Marks: 20

B.A. (HONS.)

SESSION 2017-18
(SEMESTER VI)

Course Name of Paper	**M. Marks**	**Theory**	**Int. Ass.**
I History of English Literature 1914 - 1968	100	80	20 II
English Poetry 1914-1968	100	80	20
III English Novel1914-1968	100	80	20
IV English Drama 1914-1968	100	80	20
V Political Science	100	80	20

Scheme of Examination
Course: XXVI
Course Code: EN19
Nomenclature of the Course: History of English Literature 1914 -1968
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:
C.O.1. Understanding of the impact of World Wars on life and literature
C.O.2. Ability to relate radical social changes with creative responses
C.O.3. Heightened awareness of the creative responses to the 20th century religious, political, economic and cultural trend

Scheme of Examination
Course: XXVII
Course Code: EN20
Nomenclature of the Course: English Poetry (1914 -1968)
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:
C.O.1. Acquaintance with major modern poets of the 20th century
C.O.2. Familiarity with the thematic and the technical range of changes of 20th century poetry
C.O.3. Ability to negotiate poetry with reference to the social, political and cultural aspects of the age
C.O.4. Grasp of the poetic response to the fast-changing cultural scenario through resurrection of the older literary forms and emergence of new literary forms

Scheme of Examination
Course: XXVIII
Course Code: EN21
Nomenclature of the Course: English Novel (1914 -1968)
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:
C.O.1. Abilities to appreciate literary texts both as literature and as an interface of the cultural debates in the post war in Britain through novels
C.O.2. Ability to relate 20th century intellectual conceptualization of life and literature in novel
C.O.3. Acquisition of skills to appreciate major forms of novel stylistically and contextually

Scheme of Examination
Course: XXIX
Course Code: EN22
Nomenclature of the Course: English Drama (1914 -1968)
Total Marks: 100
Theory: 80 Internal Marks: 20

Course Outcomes:
C.O.1. Acquaintance with major modern dramatists of the 20th century
C.O.2. Familiarity with the thematic and the technical range of changes of 20th century drama
C.O.3. Ability to negotiate drama with reference to the social, political and cultural aspects of the age
C.O.4. Grasp of the dramatic response to the fast -changing cultural scenario through resurrection of the older literary forms and emergence of new literary forms

Scheme of Examination
Course: XXX
Course Code: PS06
Nomenclature of the Course: Political Science
Total Marks: 100
Theory: 80 Internal Marks: 20

BSC SPORTS SCIENCE

COURSE OUTCOME

1.Foundation of Physical Education

Theories, definitions, and concepts of the major subfields of sports science , Research methods in sports science ,The fundamentals of coaching Motor learning and development of individuals Core elements of the main sporting event will be studied.

2. Computer Application

Basic knowledge of computer and its applications will be studied. Knowledge about how to make gmail accounts and power point presentations will be given. HTML is also learned at its basic level. This course is intended to provide you to understand the basic functions of computer.

3. Theory of Games

Basic information about Judo,Kabaddi and Volleyball is given. Ground measurments, instruments and knowledge about rules and regulations will be taught. Outcome At the end of the course student get the clear ides of the following, origin of game theory, Author who studied and developed game theory, **Practical use of game theory in real life, types of game theory, Mathematic required for solving game theory**, Technique of solving for different types of games.

4. Theory of Athletics

Various athletics events will be played and learned from baiscs to advance such as Sprints 100, 200 meters (ii) 5000 meter.

5. English

Considerable acquaintance of the students with literary texts and the importance of language across the disciplines. Critical interpretation of meanings and references of literary texts. Self-directed
understanding of high language and capability of self-expression.

6. Anatomy & Fitness

To provide students with the knowledge of the major body systems necessary in many health careers, which can aid a medical professional seeking to reinforce the skills you need to analyze and interpret medical reports or an allied health professional preparing for licensure and certification exams.

B.Sc. Sports

Semester 2 nd English

Course Outcome:

Learn the skill of constructing grammatically correct sentences.

Become aware of the moral, cultural values through the stories and Chapters prescribed in their course.

It will enable students to understand the passage and grasp its meaning.

Enhancing the vocabulary for linguistic competence and effective Communication.

To enhance the students to read with correct pronunciation, stress, intonation, pause and articulation of voice.

PROGRAM OUTCOME OF BSC SPORTS SCIENCE

PO 1: The learning outcomes for the BSc Sports Science possess knowledge of Research methods in sports science, the fundamentals of coaching, Motor learning and development of individuals, ethical issues and issues in science and practice.

PO 2: The learning outcomes apply the methods and procedures of sports science to evaluate critical information and claims proffered about coaching in its various forms .

PO 3: Work in an independent and organized manner, set goals, and plan and implement solutions to diverse problems and can apply the methods and procedures of sports science to answer diverse questions.

Programme Name - B.C.A.

Programme Outcomes of BCA

After graduation students will be able to

➢ Improve their computer literacy, their basic understanding of operative systems and gain a working knowledge of software commonly used in academic and professional environments ➢ Develop the skills to present ideas with the latest technology, tools and applications in IT in order to meet the ever-growing requirement of IT professionals

- ➢ Demonstrate the ability to identify the business problems, analyze and access various issues, set appropriate criteria for decision making and draw appropriate conclusions
- ➢ Exhibit communication and management skills, especially in providing technical support and develop IT oriented security issues and protocols
- ➢ Blend proficiency in mathematics used in computer science, differentiate between various data structures used in programming language
- ➢ Gain the knowledge of computer programs by using functional programming object oriented programming paradigms, apply techniques of software validations and reliability to computer programs
- ➢ Serve as system administrators with through knowledge of DBMS, work as hardware designers and engineers with the knowledge of networking concepts
- ➢ Demonstrate critical thinking and communication skills, which help in expressing ideas effectively
- ➢ Develop interdisciplinary approach among the students
- ➢ Acquire knowledge of algorithms and the role they play in developing programming techniques and computer science

Programme Specific Outcomes of BCA

BCA gives a number of opportunities to students for

- ➢ Preparing students for various roles to IT industry like web designer, system analyst, software developer and network administrator etc.
- ➢ Focusing on developing programming skills, networking skills and learning latest techniques of computer science
- ➢ Developing ability to use research, experiment to resolve industrial problems ➢ Developing ability to demonstrate team work with the quality leadership and analytical reasoning for solving various critical problems
- ➢ The students will be able to design, implement knowledge for computer programme ➢ This course will develop human values and professional ethics in the social, moral, spritual and legal aspects of computing techniques

Semester I

Subject: Computer and Programming Fundamental (BCA-101)

At the end of the course, students will be able to

➢ Identify the components of computer and assemble the parts of computer ➢ Work in different OS environments and to classify various types of viruses and antivirus softwares

➢ Classify develop logics for the solution of programmes

➢ Classify and describe various types of networks

➢ Understand various elementary concepts of computer

Subject: PC Software (BCA-102)

At the end of the course, students will be able to

➢ Understand the concept of operating system, its types and their features practically ➢ Get practical learning on MS-Word and its general and advanced features

➢ Get practical learning on MS-Excel, its different features as worksheet, database management and chart creation

➢ Get technical learning on powerpoint presentations using different features as animation, graphic effects, sound effects, time effects and layering objects

➢ Acquaint themselves with office automation softwares and their use according to application areas

Subject: Mathematics (BCA-103)

At the end of the course, students will be able to

➢ Know the basics of set theory and its applications

➢ Understand the concept of matrices and determinants

➢ Learn about relations and its properties

➢ Study different types of functions

➢ Know about limits and continuity and how to compute them

➢ Understand the differentiation and to find the derivations of different types of functions

➢ Learn about integrals, their properties and how to evaluate them

Subject: Logical Organization of Computer-I (BCA-104)

At the end of the course, students will be able to

➢ Learn about number system including binary arithmetic

➢ Know about character codes and their representations and how to detect and correct errors 172

➢ Explain Boolean Algebra and know how to simplify the Boolean functions via K-map ➢ Implement basic and universal gates in circuits and also know the use of gates in multilevel NAND and NOR circuits

- ➢ Understand combinational circuits and their application areas
- ➢ Familiarize with addressing modes

Subject: Practical Software Lab (BCA-105)

At the end of the course, students will be able to

- ➢ Create MS-Word documents, designing these document with bullets, numbering and other Word Art options in MS-Word
- ➢ Design MS-Excel sheets using different styles of tables, charts, formulas, functions (Mathematics, Logical)
- ➢ Create Powerpoint slides using single and multiple slides, animation and sound effects in it
- ➢ Design a file using tools of MS-Office completely
- ➢

Semester II

Subject: 'C' Programming (BCA-106)

At the end of the course, students will be able to

- ➢ Understand the different types of symbols, words, syntax, structure and concepts of 'C' language
- ➢ Learn about decision making, branching and looping statement and their implementation ➢ Implement built-in functions, user defined functions and different programming techniques of ➢ Get practical learning of arrays, pointers, storage classes
- ➢ Design/develop algorithms, flow charts to help development of efficient programmes

Subject: logical organization of computer-II (BCA-107)

At the end of the course, students will be able to

- ➢ Understand the concept of sequential circuits
- ➢ Design the register and counters via flip flop
- ➢ Know about the memory and I/O devices
- ➢ Know the role of instructions in computer architecture their cycle, set selection and format
- ➢ Lay emphasis on the importance of interrupt structure

Subject: Mathematical Foundations of Computer Science (BCA-108)

At the end of the course, students will be able to

- ➢ Understand about the measures of central tendency and measures of dispersion
- ➢ Get familiar with algorithms, merits and demerits
- ➢ Understand graphs, subgraphs, connected and disconnected graphs
- ➢ Differentiate between Eulerian and Hamiltonian graphs
- ➢ Learn to apply tree and graph algorithms to solve problem
- ➢ Learn about Recursion and Recurrence relation
- ➢ Know about PMI, GCD and Fibonacci nos.
- ➢ Understand congruences and equivalence relations

Subject: Structured System Analysis and Design (BCA-109)

At the end of the course, students will be able to

- ➢ Learn about system, SDLC, system planning and initial investigation, fact-finding and its techniques
- ➢ Define - structured analysis, its tools, feasibility study in detail and also learn about cost and benefit analysis with its final action
- ➢ Understand about system design, design methodologies, Input/Output and form design with their classification, requirements, objectives, types and layout considerations
- ➢ Know about system testing, testing techniques, test plan and also understand about the system implementation, evaluation and maintenance with their types

Subject: Practical Software Lab - Based on Paper BCA-106 i.e. 'C' Programming (BCA-110)

At the end of the course, students will be able to

- ➢ Implement the basic functions using 'C'
- ➢ Understand the concept of operators
- ➢ Analyze and understand different constructs in 'C
- ➢ Define various formatted/unformatted I/O functions using 'C'
- ➢ Differentiate between the concepts of arrays and string

Semester III

Subject: Introduction to Operating System (BCA-201)

At the end of the course, students will be able to

➢ Understand the need of operating system and define types of operating systems ➢ Describe and define process, threads and interprocess communication 174 ➢ Evaluate and analyze various scheduling algorithms, identify deadlocks and describe the methods of handling deadlocks

➢ Know and differentiate between physical and logical address, define swapping and various memory allocation technique, understand the concept of virtual memory and thrashing ➢ Understand file management, structure and allocation method

➢ Define and describe various disk scheduling algorithms

Subject: Data Structures-I (BCA-202)

At the end of the course, students will be able to

➢ Understand the basic concepts of data structure like types, operations, applications, etc. ➢ Acquire knowledge about how to describe and implement arrays and linked list ➢ Define, describe and implement stack and queue CO4: Understand the concepts related to tree and graphs

Subject: Introduction the Database System (BCA-203)

At the end of the course, students will be able to

➢ Know about the basic concepts of database and also define various functions, components, advantages and disadvantages of DBMS

➢ Learn about database system architecture, data independence and data models ➢ Know about E-R model with practice of daily practical examples, relational data structures, database relations and its properties

➢ Give the knowledge about relational algebra and relational calculus, and various normal forms of normalization technique in database

➢ Give practical approach of basic commands of SQL, the query processing and query optimization

Subject: Communication Skills (English) (BCA-204)

At the end of the course, students will be able to

➢ Demonstrate critical and innovative thinking on various issues

➢ Display competence in written and oral communication

➢ Apply communication theories and learn efficiency in language expression

➢ Respond effectively to cultural communication differences

➢ Demonstrate positive group communication exchanges

Subject: Practical Software Lab-Based on paper BCA-202 and 203 i.e. 'C' Language and SQL (BCA-205)

At the end of the course, students will be able to

➢ Implement the various operations on string and arrays
➢ Understand the concept of Recursion
➢ Implement the operations of stock, queue and link list
➢ Analyze and implement DDL and DML, DCL Commands
➢ Implement constraints on tables with different types of key link (Primary, Unique and Not Null)

Semester IV

Subject: Web Designing (BCA-206)

At the end of the course, students will be able to

➢ Learn Web designing basic terms like web browser, web server, http, TCP/IP and search engine and also understand how these terms are used
➢ Learn about the basic steps to create website, and add image, picture, link, background, etc.
➢ Understand the language HTML, how HTML language tags are used, and how these tags are helpful in making website
➢ Define HTML list, table and forms, the forms with menu working radio button, check box, text box, etc.
➢ Describe basic knowledge of DHTML JSSS and CSSP

Subject: Data Structures-II (BCA-207)

At the end of the course, students will be able to

➢ Understand the concept of trees and various types of trees
➢ Learn to identify shortest path for Warshall's and Dijkstra algorithm
➢ Implement various sorting and searching algorithms
➢ Classify various physical storage devices and files
➢ Learn Hashing functions and collision resolution methods

Subject: Object Oriented Programming using C++ (BCA-208)

At the end of the course, students will be able to

- ➢ Differentiate between procedural oriented programming and object oriented programming
- ➢ Learn about syntax, structure and concepts of C++ 176
- ➢ Implement the concept of various access specifier in programmes and describe the various operators used in the language
- ➢ Understand the concept of inheritance and polymorphism and classify the difference between overloading and overriding
- ➢ Understand the concept of exception handling and use of templates

Subject: Software Engineering IV (BCA-209)

At the end of the course, students will be able to

- ➢ Identify the various components of SRS document and their relevance
- ➢ Describe the software project management and classify the various project planning techniques
- ➢ Describe the various metrics related to each phase of software development life cycle ➢ Understand the relationship between software design and software implementation ➢ Describe the various software testing techniques CO6: Write down the classification of various software maintenance methods and issues

Subject: Practical Software Lab-Bases on Paper BCA-206 and 206 i.e. HTML and C++ Programming (BCA-210)

At the end of the course, students will be able to

- ➢ Implement the concept of object oriented programming using C++
- ➢ Understand the implementation of the concept of polymorphism and inheritance ➢ Understand the concept of exception handling and templates for implementation ➢ Implement interactive Webpage(s) using HTML
- ➢ Design a responsive webpage using FORMS

Semester V

Subject: Management Information System (BCA-301)

At the end of the course, students will be able to

- ➢ Describe system and its basic concepts and information system in detail
- ➢ Describe MIS, levels of Management, Simon's Model of decision making

➢ Learn and describe developing information system and pitfalls in MIS development ➢ Learn and describe Functional MIS that includes Personnel, Financial and production MIS, decision support system

Subject: Computer Graphics (BCA-302)

At the end of the course, students will be able to

➢ Describe graphic system, application area of graphics, define various input output devices and differentiate between raster scan and random scan

➢ Define various scan conversation of point, line, circle and ellipse, filled area primitives ➢ Evaluate and define and evaluate 2d transformation, viewing pipeline and clipping algorithms ➢ Define and evaluate 3d transformation, viewing pipeline and clipping algorithms

Subject: Data Communication and Networking (BCA-303)

At the end of the course, students will be able to

➢ Understand the basic concepts like computer network topologies, design issues and protocols like X25, Frame relay, ATM etc.

➢ Describe the various communications and networking models like OSI, TCP/IP, etc. ➢ Understand the various concepts of analog and digital communications that includes representation, data encoding techniques, etc.

➢ Describe various modulation techniques, types of transmission media and various switching and multiplexing techniques

➢ Learn about data link layer responsibilities and their implementation like media access control protocols, various LAN technologies and various network hardware components ➢ Describe various network layer and routing concepts, and various network security methods

Subject: Visual Basic (BCA-304)

At the end of the course, students will be able to

➢ Understand the overview of programming language (visual and non-visual)

➢ Understand VB application environment and event driven programming

➢ Learn about basic programming concepts like variables, operators and various control for I/O in VB

➢ Implement various control constructs, arrays and collections used in VB

➢ Learn and implement about procedure, subroutine and menu driven programming

➢ Get practical learning on Visual Basic

Subject: Practical Software Lab Based on Paper BCA-302 and 304 i.e. Graphics and VB (BCA-305)

At the end of the course, students will be able to

➢ Implement line drawing algorithms

➢ Create images using basic functions

- ➢ Develop a Graphical User Interface (GUI) based on problem description
- ➢ Develop and debug applications using VB that runs under operating system

Semester VI

Subject: E-Commerce (BCA-306)

At the end of the course, students will be able to

- ➢ Know the concepts of E-Commerce and their usage in daily life
- ➢ Know the use of E-payment system other e- techniques and security mechanism
- ➢ Know the difference between traditional and modern e-payment system
- ➢ Know the practical usage of e-payment apps
- ➢ Familiarize with EDI technology and its working
- ➢ Learn about the concept of EDI standards, EDI implementation, EDI agreement and EDI security

Subject: Object Technologies and Programming using Java (BCA-307) At the end of

the course, students will be able to

- ➢ Differentiate between procedure and object oriented programming
- ➢ Describe how object oriented methodologies are used in Java
- ➢ Understand why Java is called platform independent language
- ➢ Define and implement concept of inheritance and polymorphism
- ➢ Define and implement the concept of package, interface and exception handling ➢ Differentiate between string and string builder class. Learn about multi threading and I/O in Java

Subject: Artificial Intelligence (BCA-308)

At the end of the course, students will be able to

- ➢ Understand and describe the concept of problem space and search
- ➢ Learn about various heuristic search techniques
- ➢ Evaluate and analyze various techniques and issues in knowledge representation ➢ Understand the various natural language processing concepts and various learning methods ➢ Describe the various components of an expert system and about expert system shells

Subject: Introduction to .Net (BCA-309)

At the end of the course, students will be able to

- ➢ Learn about framework, features and architecture of .Net
- ➢ Define the namespace, types and objects in .Net and learn about the evaluation of web development

- ➢ Describe class libraries and define .net assemblies, meta data and attributes and learn about characteristics of C# and different types of variables and scope of variable
- ➢ Understand and implement operators and expressions used in C# and implement various control constructs used in C#
- ➢ Define classes and methods with the help of C# programming and implement the concept of constructor, destructor and overloading of operators and functions
- ➢ Learn and implement concept of inheritance, polymorphism, exception handling and learn about input/output streams used in C#
- ➢ Get practical learning on .Net programs

Subject: Practical Software Lab Based on Paper BCA-307 and 309 using Java and .Net (BCA-310)

At the end of the course, students will be able to

- ➢ Implement the basic concept like Data types variables, constants, default values, boxing and unboxing with the help of Java and .Net
- ➢ Create the program implementing the concept of operators and expressions in Java and .Net
- ➢ Implement the concepts of object oriented programming in Java and .Net
- ➢ Implement inheritance and polymorphism in Java and .Net

Programme Outcome

To impact knowledge on different topics of chemistry –inorganic, organic and physical; of the level expected from a graduate in Chemistry.

By the end of the course, the students will be able to learn:

PO-1: Communication Skills-Graduates are expected to build good communication skills.

PO-2: Critical thinking -Chemistry graduates are expected to achieve critical thinking ability to design, carry out, record and results of chemical reactions.

PO-3: Problem solving –Well trained with problem solving.

PO-4: Psychological Skills-Very important for proper mind setting during performing, observing and giving conclusion of a particular reaction.

PO-5: Teamwork-Expected to be team players, with productive co-operations involving members from diverse socio-cultural backgrounds.

COURSE OUTLINE

FIRST SEMESTER

Course name and number:- Inorganic chemistry (B.Sc., Ist Sem) Paper: CH-101

Leacture:- 2hrs/week

Course Description:-

To introduce students the new developments in atomic structure and theories related to it. They will be made aware about periodic properties of periodic table. Apart from this, they will be acquainted with new terms of ionization energy, electron affinity and electronegativity. Further, VBT and VSEPR theory will be explores as well.

Course Outcomes:-

After accomplishment of this course, students will skilfully:

· Understand the new developments related to atomic structure.
· Illustrate proficiently the periodic properties of periodic table.
· Demonstrate valence bond theory as well as VSEPR.

Course name and number:- Physical chemistry (B.Sc., Ist Sem) Paper: CH-102

Leacture:- 2hrs/week

Course Description:-

Students will be able to:
· Study the maxwell distribution of velocities and energies.
· Explain the deviation of real gases, ideal gases and its applications.
· Learn the structure and properties of liquids.
· Understand the classification of solids and laws of crystallography.
· Determination of crystal structure and their symmetries.
· Learn to differentiate between solid, liquids. Liquid crystals and its applications.

Course name and number: - Organic chemistry (B.Sc., Ist Sem) Paper: CH-103

Leacture:- 2hrs/week

Course Description: -

To introduce students the new developments in a sound understanding of the fundamental concepts of stereochemistry. Learn and formulate mechanisms of different organic reaction of aromatic and aliphatic compounds. Elucidate the structure of carbohydrates in details.

Course Outcomes: -

After accomplishment of this course, students will skilfully:

· Understand the new developments in organic structure.
· Illustrate proficiently the properties of carbohydrates.
· Fundamentals concepts of stereochemistry.

THIRD SEMESTER

Course name and number:- Inorganic chemistry (B.Sc., 3rd sem) Paper: CH-201

Leacture:- 4.5hrs/week

Course Description:-

· The students would get understanding the chemistry of d block elements.
· The students would able to differentiate between first, second and third transition series element. · The students would be able to recognize the various coordination compound and application of elements.

Course name and number:- Physical chemistry (B.Sc., 3rd sem), Paper CH-202
Course Description:-

· The students would get understanding of thermodynamics reaction and learn how to apply to tackle the specific problems.
· The students would be able to solve the problems based on formulas and equation and learn about the specific laws and application.
· The students to understand the temperature enthalpy relate laws, equations and application.

Course name and number:- Organic chemistry (B.Sc., 3rd sem), Paper CH-203

Course Description:-

· The students would understand about the alcohols, its classification and its reaction. They can differentiate the different type of alcohols.
· To analyze the ultra violet spectroscopy and its application. They will determine the structure of compounds which based on the spectroscopy.
· The students learn about the carboxylic acid and its derivatives and mechanism. They learn about how to make compounds experimentally.

FIFTH SEMESTER

Course name and number: - Chemistry (B.Sc., 5th Sem) Paper: CH-301,302,303

Leacture:- 4.5hrs/week

Course Description: -

To introduce students the new developments in a sound understanding of the fundamental concepts of bonding. Learn and formulate mechanisms of different organic reaction of aromatic compounds. Elucidate the structure of carbohydrates in details.

Course Outcomes: -

After accomplishment of this course, students will skilfully:

· Organic Chemistry-To educate structure of carbohydrates, organo-metallic compounds, and

spectroscopy.

· Organic Chemistry-To educate structure of carbohydrates, organo-metallic compounds, and spectroscopy.

· Physical chemistry-Study of properties of quantum mechanics and spectroscopy in detail.

PROGRAMME OUTLINE

To impact knowledge on different topics of chemistry –inorganic, organic and physical; of the level expected from a post-graduate in Chemistry.

By the end of the course, the students will be able to learn:

PO-1: Communication Skills- Students are expected to build good communication skills.

PO-2: Critical thinking- Post graduates are expected to achieve critical thinking ability to design, carry out, record and results of chemical reactions.

PO-3: Problem solving –Well trained with problem solving.

PO-4: Psychological Skills-Very important for proper mind setting during performing, observing and giving conclusion of a particular reaction.

PO-5: Teamwork- Expected to be team players, with productive co-operations involving members from diverse socio-cultural backgrounds.

PO-6: Research oriented- Post graduates are expected to orient their subject knowledge to research as well

COURSE OUTLINE

B.Sc. (1st year)

English 1st Semester

Course outcomes-

1. To develop in the learners the ability to understand English in a wide range of contexts.
2. To understand the nuances of listening, speaking and reading English.
3. To have an appreciable understanding of English grammar.
4. Students will interpret texts thereby enhancing their reading and writing skills.
5. To enhance the knowledge of Tense and Aspect, Voice, Reported Speech, phrasal verbs etc.

English II Semester

Course Outcomes-

1. It will enable students to employ appropriate writing process and skills.

2. Helps the students to read literary text critically.

3. Inculcates an ability to produce grammatically and idiomatically correct language.

4. To enhance the student's general standard of written and spoken English.

5. Will facilitate an understanding of Precis writing and translation.

Programme Name - B.Sc. (Computer Science)

Programme Outcomes of B.Sc.(Comp. Sc.)

- ➢ The programme empowers the students to
- ➢ Apply mathematical and computing theoritical concepts in solving common computing applications such as computing the order of algorithm
- ➢ Develop criteria to organize information efficiently in the form of outline, charts by using appropriate software
- ➢ Use the System Analysis Design paradigm to critically analyze problems
- ➢ Solve the problems (programming networking database and web design) in the Information Technology environment effectively to teams and accomplish a common goal to demonstrate professional behaviour
- ➢ Understand scientific and management principles and apply these to manage projects and in multidiciplinary environments
- ➢ Communicate effectively with the scientific community on complex activities like writing effective reports and design documentation, make effective presentations and give and receive clear instructions

Programme Specific Outcomes of B.Sc. (Comp. Sc.)

Students opting for optional paper of computer science in B.Sc. will have additional PSOs:

- ➢ Ability to communicate computer science concepts, data structures, programming languages, databases, computer hardware etc.
- ➢ Apply problem solving skills and the knowledge of computer science to solve real world problems
- ➢ Holistic development of students with the inculcation of moral and social values to help them become better citizens of India
- ➢ Innovative practices would be utilized to bridge the gap between business leaders and computer industry experts.
- ➢ Students would be able to use mathematics through differential and integral calculus, numerical analysis, probability and statistics and its applicability to computer science and engineering

Semester I

Subject: Computer Fundamentals and MS-Office (1.1)

At the end of the course, students will be able to

- ➢ Know the basics of computer system, number systems, inter conversion of numbers, coding systems, computer codes
- ➢ Understand the different type of input/output devices, memory systems and video standards
- ➢ Be familiar with softwares, its types and logic development tools-algorithm, flowcharts 116 ➢ Get practical learning of MS-Word, Excel and Powerpoint in office automation tools ➢ Differentiate various types of hardware and softwares and areas of applications

Subject: Computer Architecture (1.2)

At the end of the course, students will be able to

- ➢ Learn about basic building blocks and circuit design
- ➢ Understand arithmetic circuits and combinational circuits
- ➢ Know about sequential circuits
- ➢ Familiarize with register transfer and micro-operations
- ➢ Know about the computer organization and design

Subject: Practical Lab Work (Computer Fundamentals and MS-Office) (1.3)

At the end of the course, students will be able to

- ➢ Create MS-Word documents, designing these documents with bullets, numbering and other Word Art options in MS-Word
- ➢ Design MS-Excel sheets using different styles of tables, charts, formulas, functions like mathematical and logical
- ➢ Create Powerpoint slides using single and multiple slides, animation and sound effects in it
- ➢ Design a file using different tools of MS-Office completely

Semester II

Subject: Programming in 'C' (2.1)

At the end of the course, students will be able to

- ➢ Understand the basic concepts of programming and development of efficient programs ➢ Understand the concept of various data types, symbols, words, operators and expressions used in language
- ➢ Learn about decision making, branching and looping statements
- ➢ Understand the concept of built-in functions, user defined functions and different techniques used
- ➢ Differentiate between arrays and pointers, know about string handling
- ➢ Learn about derived data types and file handling

Subject: Structured Systems Analysis and Design (2.2)

At the end of the course, students will be able to

- ➢ Learn characteristics of system and its types 117
- ➢ Understand structure analysis and its tools
- ➢ Know about the feasibility study and cost-benefit analysis
- ➢ Understand system design and form design methodology
- ➢ Learn the concept of system testing and quality assurance goals
- ➢ Understand system implementation, evaluation, maintenance and documentation

Subject: Programming in C (2.3)

At the end of the course, students will be able to

- ➢ Implement the basic concept of C language
- ➢ Implement the different operator in C program
- ➢ Implement the various Constructs using C language
- ➢ Create programs using Arrays, Pointers and String operations in C language
- ➢ Implement different file handling functions in C programs

Semester III

Subject: Data Communication and Networking (3.1)

At the end of the course, students will be able to

➢ Understand the basic concept of networking, network topologies and OSI and TCP/IP model ➢ CO2: Understand analog and digital communication data transmission and its types. Knowledge of transmission media, switching and multiplexing concepts

➢ Describe communication satellite, dialup networking and analog modem concept ➢ Learn about data link layer reponsibilities and their implementation like media access control protocol

➢ Understand the concept datagram, and virtual circuit Routing algorithm and its types and inter networking

➢ Learn about the elements of transport layer. Understand the different protocols like internet transport protocol, UDP, real time transport protocol also learn about application layer, domain name system, E-mail, www

Subject: Object Oriented Design and C++ (3.2)

At the end of the course, students will be able to

➢ Learn about object oriented concept and object modeling technique

➢ Learn about syntax, structure and concepts of C++ data types and classes and objects and also explain data member and member function

➢ Implement the concept of constructer and destructor. Explain dynamic memory allocation console I/O formatted and unformatted I/O

➢ Understand the concept of inheritance and polymorphism and classify the difference between overloading and overriding 118

➢ Understand the concept of virtual function and virtual class

Subject: Practical Lab Work (3.3)

➢ At the end of the course, students will be able to

➢ Implement the basic concepts like creation of Class, Objects, Member functions ➢ Implement concepts like Static data members, Inline functions, Function overloading, Friend functions, etc.

➢ Create the program implementing the concepts of Construction, Destructors and this Pointer

➢ Implement the concepts of Formatted and unformatted Input/Output functions ➢ Create the program implementing the concepts of Inheritance and Polymorphism

Semester IV

Subject: Data Structures with C/C++ (4.1)

At the end of the course, students will be able to

➢ Understand data structure and its essence

➢ Learn the array operations

- ➢ Implement stack and queue
- ➢ Understand linked list and tree structures and their applications
- ➢ Learn graph data structure and its implementation CO6: Implement various sorting and searching algorithms

Subject: Operating System (4.2)

At the end of the course, students will be able to

- ➢ Understand about different types of operating system
- ➢ Know about process scheduling and algorithm of scheduling. Deadlock prevention and avoidance concept also be cleared by the students
- ➢ Describe different memory management technique
- ➢ Know about the file management concept and its classification and also be familiar with directory structure and file protection mechanism
- ➢

Subject: Practical and Viva-Voce (4.3)

At the end of the course, students will be able to

- ➢ Implement the various operations applied on array
- ➢ Create the program implementing various types of searching and sorting
- ➢ Implement the program having stack operations
- ➢ Create the program implementing various Queue operations 119
- ➢ Implement various operations of Linked-List

Semester V

Subject: Database Management System (5.1)

At the end of the course, students will be able to

- ➢ Understand the concepts of file based approach and database approach
- ➢ Describe the database system architecture and various data models
- ➢ Describe the entity-relationship model, conceptual design using E-R diagram ➢ Define and describe the various normal forms of normalization and various types of dependencies applicable on various normal forms
- ➢ Define, describe and implement the various SQL queries

Subject: Introduction to Internet and Web Technologies (5.2)

At the end of the course, students will be able to

- ➢ Understand internet, internet protocols and internet tools
- ➢ Learn about internet security problems and solutions
- ➢ Know about search engines and how to surf the net
- ➢ Create and publish a web page via HTML language using text formatting font controls and list
- ➢ Implement hyperlink on web page
- ➢ Understand how to create table and implement graphics in HTML programs

Subject: Practical and Viva-Voce (5.3)

At the end of the course, students will be able to

- ➢ Implement interactive web page(s) using HTML
- ➢ Design a responsive web pages via using FORMs
- ➢ Create a real life application with constraints and keys using SQL
  - ➢ Retrieve any type of information from a database by formulating queries in

Semester VI

Subject: Visual Basic Programming (6.1)

At the end of the course, students will be able to

- ➢ Understand the overview of programming languages (Visual and Non-Visual)
- ➢ Understand VB application environment and event driven programming
- ➢ Implement selective structures and repetitive structures in VB program using different control statements
- ➢ Develop program using procedures, subroutines and functions 120
- ➢ Develop database programs using DAO and ADO

Subject: Software Engineering (6.2)

At the end of the course, students will be able to

- ➢ Describe various software life cycle models and goals and principles of software engineering
- ➢ Understand various software requirement analysis techniques
- ➢ Describe the various components of SRS document and their relevance
- ➢ Be familiar with various software project management and configuration management techniques
- ➢ Know about the various software design types and principles

Subject: Practical and Viva-Voce (6.3)

At the end of the course, students will be able to

- ➢ Demonstrate knowledge of programming terminology and how applied using Visual Basic (e.g., variables, selection statements, repetition statements, etc.)
- ➢ Develop a Graphical User Interface (GUI) based on problem description
- ➢ Develop and debug applications using Visual Basic that runs under Windows operating system
- ➢ Develop programs that retrieve input from a file as real life application via using FORMs and Database controls

B.SC MATHEMATICS
First year (First Semester)

COURSE OUTCOME

PAPER - I : Algebra

Students will be able to simplify or manipulate expression involving the polynomials , radicals, rationals , exponentials or logarithmic terms using appropriate properties and rules. Use numeric or variable substitution while working with expressions.

PAPER - II : Calculus

calculus students will be able to productively discuss mathematics in a group setting. Students will be able to write detailed solution using appropriate mathematical language. Student will be able to identify areas in mathematics another fields wherever calculus is useful.

PAPER – III : Solid Geometry

Students will be able to find the angle between the planes, perpendicular distance from a point to the plane, image of line on plane , describe coplanar lines and intersecting lines , define skew lines and calculate the shortest distance between the skew lines, to inculcate knowledge on solutions problem in analytic geometry.

B.SC - First year (Second Semester)

PAPER - I : Number theory and Trigonometry

Students will be able to apply the mathematical concepts and principles to perform numerical and symbolic computations, write clear and precise proofs, demonstrate the ability to read and learn mathematics independently , use technology appropriately to investigate and solve mathematical problems.

PAPER - II : Differential Equation

Students will be able to solve first order differential equation utilizing the standard techniques for separable , exact , linear , homogeneous and Bernoulli's scopes . They will be able to coordinate polar coordinates and equations solvable. They will have a working knowledge of basic applications problem described by second order linear differential equations with constant coefficient.

PAPER - III : Vector calculus

Students will be able to apply the techniques from multi variables analysis to set up and solve mathematical models , to deduce simple mathematical results and to calculate integrals , to set up and solve simple optimization problems including problem with constraints.

B.SC - Second year (Third semester)

PAPER - I : Advanced calculus

Students will be able to understand completeness , compactness and limits in R , use differentiation to compute tangent lines and tangent planes, relate the linear algebraic properties of the Frechet derivate to the geometrical property of the function, use differentiation for multivariate function to find relative extrema and rate of change a , b , c.

PAPER - II : Partial Differential Equation

Students will be able to apply a range of techniques to find solution of standard partial differential equation, understand basic properties of standard partial differential equation, demonstrate accurate and efficient use of fourier analysis techniques and their applications in the theory of partial differential equation's demonstrate capacity to model physical phenomenon using partial differential equations.

PAPER – III : STATICS

Students will be able to have knowledge about the nature of forces, be aware of friction and its various forms and centre of gravity, be familiar with virtual work, have knowledge regarding wrenches and null lines and planes.

B.SC - Second year (Fourth semester)

PAPER - I : Sequence and Series

Students will be able to determine if an infinite sequence is bounded , monotonic or oscillating, determine the sequence whether it's convergent or divergent by using the appropriate test , find the sequence of partial sum for infinite series.

PAPER – II : Special functions and Series

Students will be able to use bessel's equation in many physical problems involving vibrations, special functions applications in engineering, define and recognise hermite and Leaguerre's polynomial and applications , define and recognise beta and gamma functions and its applications, improve and outline logical thinking.

PAPER - III : Programming in C

Students will be able to develop a capital hello "C" program, control the sequence of the program and give logical outputs , implement strings in your "C" program, store different data types in the same memory , manage I/O operations in C programs, repeat the sequence of instructions and points for a memory location.

B.SC - Third year (Fifth Semester)

PAPER - I : Real Analysis

Students will be able to recognise the bolzano - Weierstrass theorem, will have the ability to apply the theorem in correct mathematical way , define and recognise the real function and its limits, define and recognise the continuity of real functions, define and recognise the riemann integration of real function and its related theorems.

PAPER – II : Groups and Rings

Students will be able to assess properties employed by the definition of groups and rings, use various canonical types of groups, analyse and demonstrate examples of subgroups , normal subgroups and quotient groups , analyse and demonstrate examples of ideals in quotient rings, use the concepts of isomorphism and homomorphism for groups and rings and produce rigorous proofs of propositions arising in the context of groups and rings.

PAPER - III : Numerical Analysis

Students will be able to obtain numerical solution to problem of mathematics describe and understand several errors and approximation in numerical methods , solution of equation in one variable , method to solve the simultaneous equation .

B.SC - Third year (Sixth Semester)

PAPER - I : Real and Complex Analysis

Students will be able to understand the modulus of complex valued functions and result

regarding that develop , manipulation skills in the use of Rouche's theorem , learn to use augment principle , understand gamma and Zeta function , their property and relationship , harmonic function on disc and concerned results.

PAPER - II : Linear Algebra

After successful completion completion of this course student will solve system of linear equation using multiple methods , including gaussian elimination and matrix inversion, carry out metric operation , including inverses and determinants.

PAPER - III : Dynamics

Students will be able to understand and use basics terms for the description of the motion ofparticles, vector functions and the fundamental laws of Newtonian mechanics.

बी.एस0 सी0 द्वितीय वर्ष

तृतीय सेमेस्टर

Course Outcomes

CO1. आधुनिक हिन्दी काव्यधारा के प्रमुख कवियों की काव्यगत विशेषताओ से विद्याथियों को अवगत करवाना।

CO2. सरकारी–पत्र व अर्द्ध–सरकारी पत्र एवम् तार–लेखन की नवीन शैली के विषय में अवगत करवाना।

CO3. निबन्ध–लेखन की विभिन्न पद्धतियाों का प्रयोग करते हुए किसी गूट–विषय से विद्यार्थियों को अवगत कराना।

CO4. वैज्ञानिक शब्दावली का परिचय एवम् कम्प्यूटर व इंटरनेट की उपयोगिता की जानकारी प्रदान करना।

बी.एस0 सी0 द्वितीय वर्ष

चतुर्थ सेमेस्टर

Course Outcomes

CO1. विभिन्न संस्मरणों के माध्यम से आधुनिक कवियों की साहित्यिक विशेषताओं का ज्ञान करते हुए, जीवन की निजी–गहन–अनुभूतियों को संचित करना।

CO2. निबन्ध–लेखन की अनेक शैलियों का प्रयोग करते हुए, विभिन्न गूट–विषयों से अवगत करवाना।

CO3. पत्र–लेखन व तार–लेखन की नवीन पद्धतियों का परिचय देना।

CO4. आज के डिजिटल युग में वैज्ञानिक शब्दावली, कम्प्यूटर व इंटरनेट की जानकारी प्रदान करना।

Department of Physics
Program: B.Sc.

Program Outcomes

Students are expected to:-

- Introduce scientific thinking, knowledge and awareness.
- Acknowledge the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena of Physics.
- Acquire the skills in handling scientific instruments in the laboratory, and planning and performing experiments in a proper manner.
- Describe the basic scientific principles and methods.
- Potential to solve specific numerical problems, designing programs in FORTRAN language.

Program Specific Outcomes

- The accumulation of facts of nature and the ability to link the facts to observe and discover the laws of nature i.e. develop an understanding and knowledge of the basic Physics.

The ability to use this knowledge to analyze new situations and learn skills and tools like mathematics, engineering and technology to find the solution, interpret the results and make predictions for the future developments.

Course Outcomes

PAPER	COURSE OUTCOME
PHY-101 **MECHANICS**	After going through the course, the student are able to ✓ Understand laws of motion and their application to various dynamical situations, notion of inertial frames and concept of Galilean invariance. He / she will learn the concept of conservation of energy, momentum, angular momentum and apply them to basic problems. ✓ Understand the analogy between translational and rotational dynamics, and application of both motions simultaneously in analyzing rolling with slipping.
PHY-102 **ELECTRCITY AND**	The student are able to ❖ Demonstrate Gauss law, Coulomb's law for the electric field, and apply it to systems of point charges as well as line, surface, and

MAGNETISM	volume distributions of charges. ❖ Explain and differentiate the vector (electric fields, Coulomb's law) and scalar (electric potential, electric potential energy) formalisms of electrostatics. ❖ Apply Gauss's law of electrostatics to solve a variety of problems. ❖ Describe the biot savrts law ,ampere circuital law . ❖ Explain Faraday-Lenz and Maxwell laws to articulate the relationship between electric and magnetic fields. ❖ Understand the dielectric properties, magnetic properties of materials and the phenomena of electromagnetic induction. .
PHY-201 **PROPERTIES OF MATTERS, KINETIC THEORY AND RELATIVITY** **PHY-202** **ELECTROMAGNETIC INDUCTION AND ELECTRONIC DEVICES**	▪ Understand the principles of elasticity through the study of Young Modulus and modulus of rigidity. ▪ Understand simple principles of fluid flow and the equations governing fluid dynamics. ▪ Learn the basic aspects of kinetic theory of gases. ● Learn about basics of electromagnetic induction and further study about decay and growth of current in a circuit. ● Basic knowledge of semiconductor diodes by studying energy band in solids, applications of PN junction in half and full wave rectifier, zener diode as voltage regulator. ● Learn about transistors and transistors amplifiers in various configurations.
PHY-301 **OPTICS- I**	This course enables the student to ✓ Apply basic knowledge of principles and theories about the behavior of light and the physical environment to conduct experiments. ✓ Learn the Fourier analysis of periodic functions and their applications in physical problems. ✓ Understand about various lens aberrations like Chromatic, Spherical, coma etc. and methods to remove them. ✓ Understand the concept of interference of light in young's double slit experiment, the working of optical instruments like biprism, llyod's Mirror.
PHY-302 **COMPUTER PROGRAMING AND**	o Learn the importance of computers in solving problems in Physics. o Learn how to plan for writing the algorithm for solving a problem by drawing the flowchart of simple problems like roots of quadratic equations etc.

THERMODYNAMICS	○ Learn, write and run FORTRAN programs. ○ Comprehend the basic concepts of thermodynamics, the first and the second law of thermodynamics, the concept of entropy and the associated theorems, the thermodynamic potentials and their physical interpretations. ○ Learn about Maxwell's thermodynamic relations. Learn about the real gas equations, Van der Waal equation of state, and the Joule Thompson effect.
PHY-401 **OPTICS-II**	○ Explain several phenomena we can observe in everyday life that can be explained as wave phenomena. ○ Use the principles of wave motion and superposition to explain the Physics of polarization, interference and diffraction. Understand the working of selected optical instruments like interferometer, diffraction grating, polarimeter etc.
PHY-402 **STATISTICAL MECHANICS**	1. Understand the combinatory studies of particles with their distinguishably or indistinguishably nature and conditions which lead to the three different distribution laws e.g. Maxwell-Boltzmann distribution, Bose-Einstein distribution and Fermi-Dirac distribution laws of particles and their derivation. 2. Comprehend and articulate the connection as well as dichotomy between classical statistical mechanics and quantum statistical mechanics. 3. Learn to calculate the macroscopic properties of degenerate photon gas using BE distribution law, understand Bose-Einstein condensation law. 4. Understand the concept of Fermi energy and Fermi level, calculate the macroscopic properties of completely and strongly degenerate Fermi gas, electronic contribution to specific heat of metals.
PHY-501 **QUANTUM MECHANICS**	✓ Know main aspects of the inadequacies of classical mechanics and understand historical development of quantum mechanics and ability to discuss and interpret experiments that reveal the dual nature of matter. ✓ Understand the central concepts of quantum mechanics: wave functions, momentum and energy operator, the Schrodinger equation, time dependent and time independent cases, skill development on problem solving e.g. one dimensional rigid box, tunneling through potential barrier, step potential, rectangular barrier.
PHY-502 **SOLID STATE**	At the end of the course the student is expected to learn and assimilate the following: ❖ A brief idea about crystalline and amorphous substances, about

PHYSICS	lattice, unit cell, miller indices, reciprocal lattice, concept of Brillouin zones and diffraction of X-rays by crystalline materials. ❖ Knowledge of lattice vibrations and in depth of knowledge of Einstein and Debye theory of specific heat of solids.
PHY-601 **NUCLEAR PHYSICS**	✓ Learn the ground state properties of a nucleus – the constituents and their properties, mass number and atomic number, relation between the mass number and the radius, average density, range of force, saturation property, stability curve, the concepts of packing fraction and binding energy. ✓ Learn some basic aspects of interaction of nuclear radiation with matter- interaction of gamma ray by photoelectric effect, Compton scattering and pair production, energy loss due to ionization, Cerenkov radiation. ✓ Learn about the process of radioactivity, the emission of alpha, beta and gamma rays, the properties of the constituents of these rays and the mechanisms of the emissions of these rays, outlines of Gamow's theory of alpha decay and Pauli's theory of beta decay with the neutrino hypothesis, the electron capture, the Geiger-Nuttall law, the radioactive series. ✓ Understand various interactions of electromagnetic radiation with matter. Electron positron pair creation. ✓ Learn the basic aspects of nuclear reactions, the Q-value of such reaction and its derivation from conservation laws, the reaction cross-sections, the types of nuclear reactions, direct and compound nuclear reactions, Rutherford scattering by Coulomb potential. ✓ Learn about the detectors of nuclear radiations- the Geiger-Mueller counter, the scintillation counter, the photo-multiplier tube, the solid state and semiconductor detectors. ✓ The students are expected to learn about the principles and basic constructions of particle accelerators such as the Van-de-Graff generator, cyclotron, betatron and synchrotron. They should know about the accelerator facilities in India.
PHY-602 **ATOMIC, MOLECULAR AND LASER PHYSICS**	● Gain Knowledge about the background of Atomic spectroscopy that includes Bohr atomic model, Sommerfeld's relativistic correction and the idea of Vector Atom Model for both single and two valence electrons. ● Apply the Coupling Schemes (L-S and JJ) to various configurations. ● Learn about the effect of External Magnetic and Electric field on an atom i.e. Zeeman Effect, Paschan- Back effect and Stark effect. ● Know about the basic molecular spectra like Rotational spectra, Vibrational spectra, and RamanEffect and Electronic spectra. ● Understand the spontaneous and stimulated emission of radiation, optical pumping and population inversion. Three level and four level

	lasers. Ruby laser and He-Ne laser in details. Basic lasing.

M.Sc. Physics

M.Sc. Physics Program Outcomes

To convey high standard education in Physical Sciences.

- To prepare students to take up challenges as globally competitive physicists/researchers in diverse areas of theoretical and experimental physics.
- To make the students technically and analytically skilled.
- To provide opportunity of pursuing high end research as project work and research work.
- To create a sense of academic and social ethics among the students.
- The students should realize various applications of electronic devices in physical science.

M.Sc. Physics Program Specific Outcomes

- ✓ The students are able to realize various applications with proper understanding of linear vector space and matrices, differential equations, special functions, series expansion and integral transforms.
- ✓ The students are able to understand the motion of a mechanical system using Lagrange and Hamilton formalisms, concept of central force motion and moving co-ordinate systems and theory of small oscillations.
- ✓ The students are able to understand the concepts of Quantum mechanics and capable to solve problems such as hydrogen atom, determination of the energies and wave functions of first and second order.
- ✓ The students are able to explain ground state of hydrogen and helium molecules and analyze various transitions and their selection rules.
- ✓ The students are able to explain basic physics and application of different types of electronic devices, familiarization with integrated circuit fabrication technology, design of switching circuits and to seek career in advance research.
- ✓ The students are able to apply ensemble theory to complex problems, analyze the peculiar gas behavior and explore the applications of Icing Model and different approximations.They gain the knowledge about electrostatics and magnetic fields produced by static and moving charges in variety of simple configurations and basics of theory of transmission lines and waveguides.
- ✓ The students will be able to explain raman effect and different types of raman spectra.
- ✓ Understanding nature of specific numerical problem ,designing programs in FORTRAN language.

M.Sc. Physics Course Outcomes

SEMESTER – 1	
Mathematical Physics Paper-I CODE-18PHY21C1	❖ The students get sufficient exposure /understanding of the linear vector space and applications of matrices to physical problems. ❖ The students are able to solve problems based on differential equations. ❖ The analysis of special functions would equip a student for effective tackling of specific problems. ❖ The students are able to realize various applications with proper understanding of series expansion and integral transforms.
Classical Mechanics Paper-II CODE-18PHY21C2	• Students are able to describe and understand the motion of a mechanical system using Lagrange and Hamilton formalisms. • Students become able to understand the concepts of central force motion and moving co-ordinate systems. • Student get basic ideas about the theory of small oscillations and use of Poisson's bracket which will lead to understand the concepts of quantum mechanics.
Quantum Mechanics Paper-III CODE-18PHY21C3	➢ Students are able to understand the concepts of operators in Quantum mechanics. ➢ Students are able to apply Pauli spin matrices to explain angular momentum. ➢ Students are capable to solve problems such as hydrogen atom. ➢ Students can determine energies and wave functions of first and second order
Physics of Electronic Devices Paper-IV CODE-18PHY21C4	• Students are able to explain the basic physics and application of different transistor types. • Students get familiarity with integrated circuit fabrication technology and will be able to seek carrier in advance research. • Students are able to appreciate the functioning and applications of various optoelectronic and memory devices. • Students having familiarization with negative resistance devices and will be in a position to design switching circuits involving these device.
Practical General Physics Paper-V CODE-18PHY21CL1	➢ Students are able to determine specific charge of an electron and understand helical path of electron in electromagnetic field. ➢ Students are able to determine values of Stefan's constant Boltzmann constant and e/m ratio of electron and experimental errors in each case. ➢ Students are able to calculate band gap energy of semiconductors and will understand its dependence on temperature.

Practical Electronics **Paper-VI** **CODE-18PHY21CL2**	• The students get hands on experience on experiments and relation to theory. • Theoretical results for different networks matched with experiments enable students for complex circuits. • The students are able to differentiate between analog and digital electronics
Statistical Mechanics **Paper-VII** **CODE-18PHY22C1**	➢ The students are able to appreciate cellular nature of phase space and interface of Statistical Mechanics with Thermodynamics. ➢ Knowledge of ensemble theory would result in greater insight into solutions of various complex problems. ➢ The students are able to analyze the peculiar gas behavior and are in a position to extend the treatment to complex problems. ➢ The students are equipped to explore the applications of Ising Model and to understand different approximations
Quantum Mechanics-II **Paper-VIII** **CODE-18PHY22C2**	• Students are able to explain ground state of hydrogen and helium molecules. • Students get enabled to analyze various transitions and their selection rules. • Students are capable to understand 3D collisions. • Students are capable to calculate spin states of identical particles
Nuclear and Particle Physics **Paper-IX** **CODE-18PHY22C3**	✓ Students are able to realize the nature of nuclear force and nuclear reactions. ✓ Students are able to understand the structure of nucleus and are able to find out spin, parity, magnetic moments etc. of different nuclei. ✓ Students are able to understand different nuclear decays and reactions . ✓ Students gain a basic knowledge about Elementary Particles and their interactions.
Solid State Physics **Paper-X** **CODE-18PHY22D1**	➢ The student are able to differentiate different lattice types and explain the concept of reciprocal lattice and crystal diffraction using X-rays. ➢ Explain motion of electron in periodic lattice of solids under different binding conditions, concept of energy band and effect of same on electrical properties. ➢ Lattice vibrations in solids and identity different types of defects in crystals. ➢ Explain various types of magnetic phenomena, superconductivity, physics behind them and their possible applications.
Practical General Physics **Paper-XII**	✓ Students are able to determine the values of Stefan's constant, Boltzmann constant and e/m ratio of electron and experimental errors in each case.

CODE-18PHY22CL1	✓ Students are able to understand magnetization and related aspects in a ferromagnetic material. ✓ Students are able to understand the different harmonics and their amplitudes in a Fourier series experimentally which provide direct connect between theory and experiment.
Practical Electronics **Paper-XIII** **CODE-18PHY22CL2**	✓ Development of ability to design and analyze electronic circuits using discrete components. ✓ Students are able to practically verify the frequency response of feedback amplifier single and multistage amplifiers. ✓ Measurement of various analog circuits and comparison of experimental results with theoretical analysis enable the student for problem solving.

Atomic and Molecular Physics **Paper –XVI** **CODE-19PHY23C1**	✓ The student are expected to be able to explain atomic spectra of one and two electron atoms. ✓ Students are able to explain the change in behaviour of atoms in external applied electric and magnetic field. ✓ Students will understand Diatomic molecules and their rotational, vibrational and rotational vibrational spectra.
Electrodynamics and Wave Propagation **Paper-XVII** **CODE-19PHY23C2**	❖ Student areable to formulate and solve electrodynamic problems in relativistic covariant form in four dimensional space. ❖ Student gain the knowledge about electrostatic and magnetic fields produced by static and moving charges in a variety of simple configurations. ❖ Student are able to analyze the basics of theory of transmission lines and waveguides.
Electronics-I **Paper-XIX** **CODE-19PHY23DA2**	❖ The students are able to express numbers, alphabets, special characters etc. in binary representation, perform mathematical operation in digitally and application of different codes. ❖ Will be able to implement Boolean expression with basic gates and design circuits to achieve desired output. ❖ Design basic building blocks of ICs for different electronics operations such as addition, subtraction, code generation, data register, counting etc. ❖ Develop various building blocks for ICs using MOSFET as MOS devices fabricated on a chip with high packing density and low power intake.
Computational Physics – I **Paper XX** **CODE-19PHY23DB1**	❖ Students acquire a vision for use of computer in research prospective. ❖ Students are able to recognize the nature of a specific numerical problem and would develop the acumen for

	choosing an appropriate numerical technique to find its solution. ❖ Students are able to design FORTRAN programs to solve numerical computationally.
Practical General Physics **Paper XXII** **CODE-19PHY23CL**	❖ Student areable to conduct experiments, as well as to analyze and interpret data. ❖ Students are able to relate experiments with the theoretical aspects of the course.
Practical Electronics **Paper XXIV** **CODE-19PHY23DL2**	❖ Students are able to demonstrate relation between the input and the corresponding digital output of various digital systems. ❖ Designing basic building blocks for the ICs for different electronics functions like addition, subtraction, code generation, data register, counting etc. would help in realizing complex circuits. ❖ Students are able to appreciate the effect of different types of modulation on the modulating signal. ❖ Students are able to measure various digital circuit parameters and comparison of experimental outcomes with theoretical results.
Physics of Laser and Laser Applications **Paper XXVI** **CODE-19PHY24C1**	❖ Students are able to understand the diversity of laser designs and various applications. ❖ Understand the basic concepts of most of the commercially available lasers. ❖ Student get the knowledge about the basic principles which form the basis of nonlinear optics
Physics of Nano-materials **Paper XXVII** **CODE-19PHY24C2**	❖ Students are able to explain the properties of Nanomaterials/nanostructures. ❖ Students get enabled to analyze the density of states in various nanostructures and related effect on optical properties. ❖ Students get acquainted with important techniques for preparation of Nano materials/nanostructures. ❖ Understanding quantitatively, the experimental results of x-ray diffraction, photoluminescence and Raman spectra of Nano materials opens up avenues of future research. ❖ Students find themselves confident to carry out research work in this important field of Nano science/ Nano-technology
Electronics – II **Paper XXIX** **CODE-19PHY24DA2**	❖ The students are able to understand the fabrication process of solar cells, photodiodes, PMT's etc. ❖ Analyse the functioning of various communication devices such as TV, Radio, mobile phone etc. ❖ Realize the performance of operational amplifier for

	various mathematical operations such as addition, subtraction, differentiation, integration etc. ❖ Understand circuit analysis and implementation of operational amplifier for various applications like comparator, A/D & D/A convertor, oscillators etc.
Computational Physics – II **Paper XXX** **CODE-19PHY24DB1**	❖ Students are able to understand framework of computer languages. ❖ Students are able to solve numerically various physical problems. ❖ Students gain the necessary basic knowledge of application of MATLAB for problem solving
Practical General Physics **Paper XXXII** **CODE-19PHY24CL**	❖ Students are able to realize monoatomic and diatomic linear chain of atoms using passive electrical components and able to find the cut off frequency and understand dispersion relation as well as energy gap. ❖ Devise and understand various filter circuits and frequency response of push – pull amplifier. ❖ Determine the band gap of semiconductor materials, magnetic susceptibility of magnetic materials and dielectric constants of liquids. ❖ Comprehend fiber optic communication, different mechanism of signal loss and various type of pulse modulation.
Practical Computational Physics **Paper XXXIII** **CODE-19PHY24DL1**	❖ Students develop understanding for programming concepts. ❖ Students learn the practical implementation of programming languages for carrying numerical calculations. ❖ Students benefit from their enhanced computational skills in context of higher studies in physics or business purposes as well.

M.Sc. (Computer Science)

Program Outcome

• Provides technology-oriented students with the knowledge and ability to develop Creative solutions.

• Develop skills to learn new technology.

• Apply computer science theory and software development concepts to construct • Computing-based solutions.

• Design and develop computer programs/computer-based systems in the areas • Related to

algorithms, networking, web design, cloud computing, Artificial Intelligence, Mobile systems.

Semester-I

COURSE OUTCOME Computer Fundamentals And Programming in C

• Understanding the concept of input and output devices of Computers and how it works and • recognize the basic terminology used in computer programming Write, compile and debug programs in C language and use different data types for writing the programs. • Design programs connecting decision structures, loops and functions.

• Explain the difference between call by value and call by address.

• Understand the dynamic behavior of memory by the use of pointers.

• Use different data structures and create / manipulate basic data files and developing applications

• for real world problems.

COURSE OUTCOME-Discrete Mathematics.

• To prove mathematical theorems using mathematical induction and understand sets and perform operations and algebra on sets

• Determine properties of relations

• Identify equivalence and partial order relations ,sketch relations

• Identify functions and determine their properties

COURSE OUTCOME-DBMS

• Describe the fundamental elements of relational database management systems • Explain the basic concepts of relational data model, entity relationship model, relational database

• design, relational algebra and SQL.

• Design ER-models to represent simple database application scenarios

• Convert the ER-model to relational tables, populate relational database and formulate SQL queries on data.

• Improve the database design by normalization.

Course outcome-Computer Organization and Architecture

• Describe basic organization of computer

• Implement assembly language program for given task.

• Demonstrate control unit operations and conceptualize instruction level parallelism • Demonstrate and perform computer arithmetic operations on integer and real numbers. •

Categorize memory organization and explain the function of each element of a memory hierarchy

- Identify and compare different methods for computer I/O mechanism

SEMESTER II

Course outcome:Data structures using c

- Ability to analyze algorithms and algorithm correctness.
- Ability to summarize searching and sorting techniques.
- Ability to describe stack, queue and linked list operation.
- Ability to have knowledge of tree and graphs concepts.

Course outcome:computer networking

- it acts as basis of communication in information technology
- it is system of connected computing devices and shares information and resourses between them
- the devices in networks are connected by communication link
- we use various protocol like osi reference model for data communication

Course outcome:Objected Oriented Programming Using C++

- Familiarization with a widely used programming concept – Object Oriented Programming.
- Develop logical thinking.
- Skill to write codes in C++ by applying concept of OOP, such as Objects, Classes, Constructors, Inheritance etc., to solve mathematical or real world problems . Ability to isolate and fix common errors in C++ programs.
- Skill to write code of abstracting mechanism.
- Skill to write programming code of inheritance and polymorphism.
- Ability to write code of exception handling

COURSE OUTCOME:Software Engineering

- An ability to identify, formulates, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
- An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
- An ability to communicate effectively with a range of audiences.
- An ability to recognize ethical and professional responsibilities in engineering situations

and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts

- An ability to function effectively on a team whose members together provide leadership, create acollaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
- An ability to develop and conduct appropriate experimentation analyzes and interprets data, and use engineering judgment to draw conclusions.
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

SEMESTER III

COURSE OUTCOME:Computer Graphics

- To list the basic concepts used in computer graphics.
- To implement various algorithms to scan, convert the basic geometrical primitives transformations, Area filling, clipping.
- To describe the importance of viewing and projections.
- To define the fundamentals of animation, virtual reality and its related technologies. • To understand a typical graphics pipeline .
- To design an application with the principles of virtual reality.

COURSE OUTCOME:MIS

- Explain complex software within the context of business user needs through training presentations and written documentation.
- Distinguish relationships between programming languages and information systems.
- Analyze existing systems and design technology solutions appropriate to the goals of an organization.
- Determine factors influencing the strengths and weaknesses of the most common computer operating systems and determine how one would be preferred over others.
- Effectively utilize database and database management systems to organize, store and retrieve data.

COURSE OUTCOME:OPERATING SYSTEM AND UNIX

- Describe the important computer system resources and the role of operating system in their management policies and algorithms.
- Understand the process management policies and scheduling of processes by CPU. • Evaluate the requirement for process synchronization and coordination handled by operating system.

• Describe and analyze the memory management and its allocation policies. • Identify use and evaluate the storage management policies with respect to different storage management technologies.
• Identify the need to create the special purpose operating system.
• Identify the basic Unix general purpose commands.
• Apply and change the ownership and file permissions using advance Unix commands. • Use the awk, grep, perl scripts.
• Implement shell scripts.
• Apply basic of administrative task.
• Apply networking Unix commands

COURSE OUTCOME: Visual Programming

• Express constants and arithmetic operations.
• Distinguish variable and data types.
• Distinguish and compose events and methods.
• Recognize and arrange control structures.
• Design a complete program using visual programming concepts.
• Students prepare various projects by helping visual programming.
• Prepare project in visual programming.
• Manage and analyze prepared project with programs.
• Interpret and report obtaining results

SEMSETER IV

COURSE OUTCOME: Java Programming

• Understand the use of OOPs concepts. Solve real world problems using OOP techniques. • Identify classes, objects, members of a class and the relationships among them needed for a finding the solution to specific problem.
• Demonstrates how to achieve reusability using inheritance, interfaces and packages and describes faster application development can be achieved.
• Demonstrate understanding and use of different exception handling mechanisms and concept of multithreading for robust faster and efficient application development. • Identify and describe common abstract user interface components to design GUI in Java using Applet & AWT along with response to events.

COURSE OUTCOME: Multimedia and its application

- Multimedia plays an important role in todays society because it is society now all are the things is keep up with the times.
- Multimedia is any thing and everthing that you watch and listen in a form of text , photograph , audio,vedio and many.
- In the multimedia we can use being in the business , schools, home , public places and virtual reality.

COURSE OUTCOME: Software testing

- An ability to identify, formulates, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
- An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

COURSE OUTCOME: PROJECT REPORT

- Deal with real world data.
- Familiar about real time IT industry environment.
- Experience about applying the knowledge they got until now.
- Build a whole real time working system which will satisfy all customers' needs.

MCOM

COURSE OUTCOME: Computer Application in Business

- Practical knowledge and use of the Windows operating system.
- KnowledgeOF computer Networks.
- Knowledge of Internet and E-Commerce.
- Creating word documents for office use.
- Formatting techniques and presentation styles.
- Knowledge of mail merge.
- Use of Basic functions and formulas.
- Using excel workbooks and templates.
- Use Accounting Package- Tally (ERP 9).
- Knowledge of SPSS.

M.COM

PROGRAMME SPECIFIC OUTCOMES:

PSO1: Students will be able to understand the role of business-men, entrepreneurs, managers, consultants, and the same is required for critical decision making.

PSO2: This course provides a learning environment to the students through students can understand the global and national perspective of the economy.

PSO3: The course will provide the skills required for effective communication, decision making techniques which are useful for day to day routine business problems.

PSO4: The course provides a platform for the researchers to get new dimensions for the economy. Through this programme the students will involve in various co-curricular activities; and demonstrate their practical and theoretical knowledge; and gain practical exposure in corporate world.

PSO5: Students can also acquire practical skills to work as tax consultant, audit assistant and other financial supporting services.

PSO6: Students will be able to do higher education and advance research in the field of commerce and finance.

PSO7: Students are able to understand and develop ethical, logical and professional behavior.

PSO8: It helps the students to demonstrate adequate skills, knowledge and ability to nurture them for tackling the different situations of the life for their overall development.

The entire course will be of four semesters.

Master of Commerce
FIRST YEAR

First Semester
Accounting Standards and Financial Reporting
Paper Code:16MCO21C1

Course Outcome:-

CO1: This subject provides detailed insight into accounting regulations and accounting aspects of Companies.

CO2: To know about Stages and Process of Standards settings by ICAI in India along with Compliance and Applicability of Accounting Standards in India.

CO3: To understand the difference between Accounting Standard, IFRS, IASB and FASB and also gain knowledge on Convergence of Indian Accounting Standards with IFRS CO4: To learn about the IFRS current status and Challenge and also understand the concept of harmonization in Accounting and Reporting.

CO5: It also covers contemporary issues in accounting i.e. Human Resource Accounting, Corporate Social Reporting, Forensic Accounting and Reporting. Environmental Reporting.

First Semester
Statistical Analysis for Business
Paper Code: 16MCO21C2

Course Outcome

CO1: Will enable the students to understand the Correlation and Regression Analysis, Probability Distribution: Binomial, Poisson and Normal Distribution

C02: Will learn the Hypotheses testing, Sampling tests – Large and small Sample tests – Z Test, T-Test.

CO3: Will help students to understand Parametric and Non-Parametric tests. CO4: Will enable the students understand the Association of Attributes, Chi-Square test etc.

First Semester Managerial Economics

Paper Code: 16MCO21C3

Course Outcomes:

CO1: Will enable the students understand the meaning and nature of managerial economics and

also theories of consumer choice
C02: Will acquaint the students with production and cost functions
CO3: Will help students to understand meaning and nature of macro economics and the concept of inflation
CO4: Will enable the students understand the various macro-economic indicators.

First Semester
Computer Applications in Business
Paper Code: 16MCO21C4

Course Outcome:
CO1: To know the basics of Computer System, Computer Software & Hardware and Information processing system.
CO2: To understand the differences of types of computer systems, input-output devices, storage devices, communication devices, configuration of hardware devices and their applications. CO3: To learn about the personal computers, its components, hardware configuration, RAM, factors

influencing PC performance, Types of E-Commerce System: B2B, B2C, C2C, C2B, B2G and G2C, electronic Payment Systems.
CO4: To be familiar with Modern network Technologies i.e. LAN, WAN, MAN, E-mail, Internet technologies, World Wide Web and Internet browsing.
CO5: To get practical learning on M.S. Word, Excel, Power Point, Internet Technology – Applications, manager., control panel, paintbrush, calculator, desk top, my computer, settings, find, run etc.5

Principal of Management

First Semester

Paper Code: 16MCO21D3

Course Outcomes:
CO1: Student will gain a comprehensive knowledge of concept of schools of management, function of management.
CO2: To understand the motivational theories.
CO3: To know about leadership styles & theories.
CO4: Students will aware about communication barriers and transactional analysis in communication.

Second Semester Management Accounting Paper Code: 16MCO22C1

Course Outcomes:
CO1: To communicate the major management accounting concepts related to functions of planning, directing, controlling and decision making.
CO2: To make the students able to use management accounting tools for pricing, budgetary control, cost allocation, and performance evaluation as well as the new developments in management accounting knowledge and technique and how to access cost-benefit analysis. CO3: To evaluate the costs and benefits of different conventional and contemporary costing systems.
CO4: To understand the principles, types, centres, and problems of responsibility accounting and the role of a manager in the process of responsibility accounting.
CO5: To develop the ability among the students to collect, analyse and communicate quantitative and qualitative information to assist management in making effective planning and controlling.

Second Semester Investment Management Paper Code: 16MCO22C2

Course Outcomes:
CO1: Will enable the students comprehend the meaning, nature, scope and types of investments
CO2: Will help students understand Capital Market instruments and their operations
CO3: Will lend students ability to make valuation of financial securities

CO4: Will introduce students to the theoretical paradigms of EMH
CO5: Will equip students with skills of fundamental and technical analysis of investments.7

Second Semester
Financial
Management Paper
Code: 16MCO22C3

Course Outcome:
CO1: Will enable the students understand the meaning and nature of financial management and also the concept of cost of capital
CO2: Will acquaint the students with the leverages, capital structure and dividend decisions
C03: Will help students to understand the detailed concept of capital budgeting decisions with its various methods and risk analysis pertaining to capital budgeting decisions
CO4: Will enable the students understand the concept of corporate and financial restructuring8

Second Semester
Organisational Behaviour
Paper Code: 16MCO22D4 (iii)

Course Outcomes:
CO1: Students will gain a comprehensive understanding of the concept of Organisational Behaviour and Relationship to other fields and Learning.
CO2: Students will understand about the Attitude, changing of attitude and aspects of personality.
CO3: Students will learn about the Perception, factors influencing perception, Group Dynamics and Team Development.
CO4: Will enable the students to learn about Organisational Conflict, its Dynamics, Traditional and modern approaches to conflict and Organisational development.9

Second Semester
(Foundation Elective Paper)MORAL EDUCATION
Paper Code:16GENF1

CO1: To explain the students about the guidelines set by the society.
CO2: To make them understand about the guidelines given by the conscience.
CO3: To explain the Students about the responsibility of an individual.10

MCOM 3RD SEMESTER

Portfolio Management(17MCO23C1)

Course outcome

CO1: Understand the various alternatives available for investment.

CO2: Learn to measure risk and return.

CO3: Find the relationship between risk and return.CO4: Value

the equities and bonds.

CO5: Gain knowledge of the various strategies followed by investment

practitioners.

Corporate tax planning & management
Paper code:17MCO23C2

CO1: Student will learn the keywords of Corporate Tax and how the residential status of Corporate Sector is being determined.
CO2: Student will gain with the provisions regarding determination income under various heads.
CO3: Student will become familiar with the provisions of income tax regarding assessment of charitable trust, education institutions, political parties, co-operative societies and income of non residents.
CO4: Students will know about the unilateral relief in case of double taxation relief.
CO5: Students will become familiar with the basic mechanism of Income Tax Act

with special reference to assessment of cooperative sectors

Marketing Concepts and Decision
Paper code :17MCO23D3

CO1 **:**To formulate a marketing plan that will meet the needs goals of a business and organization.

CO2 : Develope and integrated marketing communication plan for a product, concept, goods/services based on an identify market need or target.

CO3 : Employ the management techniques of planning , organizing, directing & controlling of marketing functions and activities in response to the business needs of the organization.

Advanced Cost Accounting
Paper code: 17MCO23D(iii)

Course outcome

CO1: Described about the concept of advanced costing and evaluation of jobcosting and batch costing.

CO2: Provide knowledge about how to calculate of unit costing of all theoverheads.

CO3: Acquired knowledge on process costing and also learn to analyze andinterpret the contract costing.
CO4: Understand the Cost recording, preparation of accounts under integralsystem

Fundamental of marketing

Paper code:17IMSO2

CO1: To know the concept of Marketing, and problems in marketing.
CO2: To be familiar with Pricing & Distribution channel factors affecting choiceof a distribution channel.
CO3: Understanding the product Promotion, their Complexities and issues andadvertising12

M.com 4th sem

Cost accounting standard

Paper code: 17MCO24C

Course outcome

CO1:To impart the knowledge related to cost accounting standards

CO2: To explain the students about the objectives, scope and explaination of terms used , principle of management, assignment of cost.
CO3 : To make them understand about cost audit.

Corporate tax planning & management

Papercode: 17MCO24C2

Course outcome

CO1: Students will know about the difference between Tax evasion, Tax avoidance, Tax planning and Tax management.

CO2: Students will aware about the Income Tax Insensitive provided to the industrial undertakings established for the development of Infrastructure facilities and backward area.

CO3: Student will learn about the provisions of Income Tax Act during taking offinancial decisions.
CO4: Student will gain with the provisions regarding various issues involved withthe assets used in business.
CO5: Student will become familiar with the provisions of Income Tax Actregarding assessment of corporate sector in India.

Business research Management

Paper code: 17MCO24C3

Course Outcome
CO1 : To explain the students about the areas of business reaserch activites. **CO2 :** To know various aspects of research designs to understand and provide solutions to research issues .
CO3 : To apply various statical tool to process data into information.
CO4 : To aware the students with the art of using different research methods and techniques.

Human Resource Management

Paper code: 17MCO24DA1

Course outcome

CO1: This subject prepares the student for the most critical ingredient of thebusiness i.e. HRM.
CO2: To be able to understand the Importance, Objective and Scope of HumanResource Management (HRM).
CO3: To learn about the steps, Techniques/methods of Recruitment, Selection,Training and Management Development.
CO4: To gain an insight about the Wage and Salary Administration and WageIncentives CO5: To be able to develop strategic action plans by about Human ResourcesDevelopment, Industrial Relationship and Industrial Unrest

International Business Enviornment

Paper code: 17MCO24DB1

Course outcome
CO1: To understand and know the impact of globalization on trade, commerce & industry.
CO2: To make them aware about the international economic cooperation like SAARC,SAPTA,NAFTA,
CO3 : To impart the knowledge related to the foreign exchange market.
CO4 : To explain the students about the concept of foreign exchange

rate. **International Marketing**

Course outcome
Paper code:
17MCO24DC2

CO1: To understand the concept, nature and complexities of international marketing. **CO2:** To impart the knowledge about the impact of internal and external environment. **CO3 :** To know about emerging issues and development in international marketing. **CO4 :** To make them aware about the international logistics decision.

M.Sc. Chemistry 1st semester

Code: 16CHE21C1 INORGANIC CHEMISTRY I 4.5hr/week *Course Description:*

This course is designed to direct students to continue understanding the bonding and stereochemistry of main group compounds which they learned under UG programme. Students were also introduced to transition metals, now they will be acquainted with the reaction mechanism involved. Further, crystal structure of several binary and ternary compounds will be explored.

Course Outcomes:

After successful completion of this course, students will be able to:

· Identify the stereochemistry and bonding of p-block elements.
· Illustrate the difference between inert and labile complexes.
· Can efficiently describe the inner and outer sphere mechanism.
· Proficiently demonstrate fluorite, antifluorite, rutile and anti-rutile structure and bonding. **Code: 16CHE21C2 PHYSICAL CHEMISTRY I 4.5hr/week**

Course Description:

To provide advance knowledge of quantum chemistry, thermodynamics, chemical dynamics and electrochemistry

· Detail study of various concepts of quantum mechanics and wave mechanics and relation between them.
· In brief law of thermodynamics and inter relation of thermo properties.
· Study of laws and theory of reactions and limitations.
· Detailed discussion on Debye-Huckel theory for solutions and its equations and

applications. **Code: 16CHE21C3 ORGANIC CHEMISTRY I 4.5hr/week**

Course Description:

Students will be able to:

· The students would able to understand about the chiral and achiral molecules. · The students analyze the relationship between enantiomers and their specific rotation. · The students would able to differentiate the simple synthesis and asymmetric synthesis of organic molecule.
· To deliver the importance reaction mechanism.
· The students would able to analyze the structure of carbohydrate and natural and synthetic dye.

M.Sc. Chemistry 3rd semester

Code: 17CHE23GA1 INORGANIC SPECIAL I 4.5hr/week SUBJECT:

INSTRUMENTAL TECHNIQUES

Course Description:

Students will be able to:

· Understand the shapes and symmetry of instrumental techniques.
· Explain the function of various elements in the biological systems.
· Understand the concept of ESR, Mass and NMR spectroscopy.
· Learn the application of inorganic free radicals.
· Elucidate the bonding and structure of inorganic compounds and the nature ofbonding. · Recognize the spectroscopy in microwave, rotational spectra of rigid diatomic molecules, selection rules and interaction of spectral lines.

Code: 17CHE23GA2 INORGANIC SPECIAL II 4.5hr/week SUBJECT:

NUCLEAR AND RADIOCHEMISTRY

Course Description:

Students will be able to:
· Explain interaction of radiation with matter and define various types of nuclear changes.
· Understand the various types of nuclear reactions that are involved in theories of Nuclear fusion and fission.

· Understand the applications where radiochemistry plays an integral part.
· Learn the concept of detection of nuclear radiation.

Code: 17CHE23GA3 INORGANIC SPECIAL III 4.5hr/week SUBJECT: Bio-inorganic and environmental chemistry

Course Description:

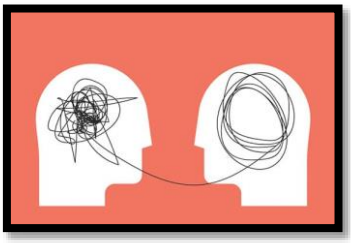
This course introduces the students to the field that examines the role of metals in biology. Besides this they will be introduced to understand the effects of chemicals on air, water, and soil. Topics include metal ions in biological systems, interaction of metal ion with nucleotides, metal transport and storage, nitrogen fixation and study of several metalloenzyme. They will explore the impact of chemicals on ecological and human health.

***Course Outcomes*:**

Students after successful accomplishment of this course, students will be able to:

· Illustrate the metals associated in metalloenzymes and their role.
· Demonstrate with proficiency the structure and function of haemoglobin and myglobin. · Critically can analyze the oxygen storage and transport of species.
· They can efficiently associate the harm caused by several chemicals.

Program Outcome



Psych is mind and ology is the study of put them together & you have the study of the mind.

The Goal of psychology is to study the human experience in the form of thoughts, perceptions & Reactions in all forms.

Main four goals of psychology

1 Describe

2 Explain

3 Predict

4 Control

Describe: After observing overt behaviors & consequences it has, one can describe the affliction or phenomenon.

Example :- using the descriptive pointers , try to explain the come behind it & its intricacies.

Predict: The explanation derived will help you predict how it will be in different content in the future.

Control- Behavior via the manipulation of influencing factors.

M.A. PSYCHOLOGY

COURSE OUTCOMES M.A. (P):-

- ### HISTORICAL & THEORETICAL FOUNDATION OF PSYCHOLOGY (PAPER-1)

Contemporary psychology is interested in an enormous range of topics, looking at human behavior & mental process from the neural level to cultural level.

Psychologists study humans Issues that Begin before birth & continue until death by understanding the history of psychology you can gain a better understand of How these topics are studied & What we how learned thus.

- ### EXPERIMENTAL PSYCHOLOGY (PAPER-2)

Experimental psychology are interested in exploring theoretical question, often by creating a hypothesis & then setting out of prove or disprove it through experimentation. Experimental Psychology, a method of studying psychological phenomena & processes. The experimental method in psychology attempt to account for the activities of animals (including humans) & the functional organization of mental processes by manipulating Variables that may give rise to behavior; it is Primarily concerned with discovering laws that describe manipulable relationships The term generally connotes all areas of psychology that use the experimental method.

- ### SOCIAL PSYCHOLOGY (PAPER-3)

Social psychology is to understand cognition & Behavior as they naturally occur in a social context, but the very act of observing People can influence& after their behavior.

- ### RESARCH METHODS & STATICTICS IN PSYCHOLOGY (PAPER-4)

A wide range of research methods are used in psychology. These methods also very by whether they collect qualitative data, quantitative data or both.

2ND SEMESTER

- ### BIOLOGY BASES OF BEHAVIOUR (PAPER-1)

Biological bases for Behavior Thoughts interconnected with & regulated by the nervous system, the endocrine system produces effects on behavior in a distinct way:-

Endocrine glands secrete however into the bloodstream, allowing hormones to reach & interact directly with target Organs

- ## COGNITIVE PSYCHOLOGY (PAPER-2)

The main goal of cognitive psychology is to study how humans acquire& put to use the acquired knowledge & information mentally just like a computer processor. The main presumption behind cognitive theory is that solutions to various problems take the form of heuristics, along them or insights.

- ## RESEARCH DESIGNS OF STATISTICS IN PSYCHOLOGY (PAPER-3)

The purpose of research designs is to provide a plan of study that permits accurate assessment of counel effect relationships between independent & Dependent variables.

- ## POSITIVE PSYCHOLOGY (PAPER-4)

Positive psychology is the scientific study of what makes life most worth living focusing on both individual & societal well Being .It studies "Positive Subjective experience, Positive individual toasts, & Positive institution it aim to improve quality of life."

M.A. PSYCHOLOGY (SEMESTER 3-4)

COURSE OUTCOMES M.A. (F):-

3RD SEMESTER

- ## PSYCHOLOGICAL ASSEMENTS(PAPER-1)

The goal of psychological assessment are to better understand a person's strengths and weaknesses, identity potential problems with cognitions, emotional reactivity, and make recommendations for treatment/remediation.

- ## PSYCHOLOGY OF INDIVIDUAL DIFFERENCES(PAPER-2)

The goal of individual difference researches, then, is to identify the most general aspects underlying individuality and conceptualize a theoretical classification for prediction differences and similarities in human thought, emotionality and behavior.

- ## DEVELOPMENTAL PSYCHOLOGY (PAPER-3)

The study of development psychology in essential to understanding how human learn, nature and adapt.

- ### SPORTS AND EXERCISE PSYCHOLOGY(PAPER-4)

To Understand how psychological and social factors influence an individuals behavioral outcomes.

(Ex. Sport performance, exercise and motivation.)

4TH SEMESTER

- ### INDIAN PSYCHOLOGY(PAPER-1)

Aim to reclaim traditional riches while expanding and refining the best of modern psychology.

- ### BASIC OF CLINICAL AND ABNORMAN PSYCHOLOGY(PAPER-2)

The aim of clinical psychological is to understand, predict and treat or alleviate disorder, disabilities, or any kind of maladjustment.

Abnormal psychology is the scientists study of abnormal behavior, with the interact to be able to predict reliably, explain, allegiance identity the causes of, and treat maladaptive behavior.

- ### PROCESSES AND SKILLS OF COUNSELLING(PAPER-3)

Assisting clients to develop personal skills and inner strength so that they can create their own and others lives.

- ### COUNSELLING TECHNIQUES AND STRATEGICS(PAPER-4)

The main purpose or goal of using counselling skills in that of assisting clients to develops to personal skills and in a strength so that they can create their own and other lives.

SCHEME OF EXAMINATION
M.A. (ENGLISH) PART - I (SEMESTER I & II)

w. e. f. Session 2017-18(CBCS)

TRG College Sonipat followed the scheme of examination and syllabus as per norms ofM.D University, Rohtak.

Programme Specific Outcomes :

P. S. O. 1. Firm grounding in English Literature and Literary Studies
P. S. O. 2. Ability to relate literature to its wider intellectual context
P. S. O. 3. Ability to relate literature to its wider artistic context
P. S. O. 4. Ability to relate literature to its wider cultural context and to read literature in tandem with philosophical postulations
P. S. O. 5. Enhanced competence in the use of English language phonologically and syntactically and add to general abilities of employment

P. S. O. 8. Eligibility to teach English Language and Literature at College and University levels

(SEMESTER I)

Course No	Course Code	Nomenclature of Course	Credit/ Hrs.	Max Marks	Theory	Internal Assess-Ment	Duration of Exam
I (Core Course-I)	16ENG21C1/ 16ENG57C1	English Literature (1350- 1660)-I	5	100	80	20	3
II (Core CourseII)	16ENG21C2/ 16ENG57C2	English Literature (1350- 1660)-II	5	100	80	20	3
III (Core Course-III)	16ENG21C3/ 16ENG57C3	English Literature (1660- 1798)-I	5	100	80	20	3
IV (Core Course-IV)	16ENG21C4/ 16ENG57C4	English Literature (1660- 1798)-II	5	100	80	20	3
V(Core Course-V) (Option-i)	16ENG21C5/ 16ENG57C5	Study of Language-I	5	100	80	20	3

DEPARTMENT OF ENGLSH

M. A. English (w. e. f. 2017-18)

(Under CBCS) Semester I

Course Code: 16ENG21C1
Course: I (Core Course I)
Nomenclature of the Course: English Literature (1350-1660)-I
Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1. Ability to negotiate literature written in early forms of English language
C.O.2. Ability to understand the relationship between cultural movements emanating from England's intersection with Italian and French cultural and literary movements
C.O.3. Ability to compare and contrast different styles of different writers

C.O.4. Ability to define and apply different forms and aspects of poetry with reference to different poems

Course Code: 16ENG21C2
Course: II (Core Course - II)
Nomenclature of the Course: English Literature (1350- 1660)-II
Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1. Acquaintance with the history of English literature from 1350-1660
C.O.2. Ability for defining and applying different forms of poetry with reference to different poems.
C.O.3. Ability to negotiate the relationship between cultural movements emanating from England's intersection with Italian and French cultural and literary movements.

Course Code: 16ENG21C3
Course: III (Core Course- III)
Nomenclature of the Course: English Literature (1660-1798)-I
Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1. Familiarisation with the literary expressions of the finer nuances of the changing political, economic, social and philosophical milieu of the age of Enlightenment
C.O.2. Ability to appreciate literary texts as manifestations of specific literary trends and the mechanics of cross currents within literary representations
C.O.3. Understanding the importance of literary form as part of literary criticism
C.O.4. Ability to relate literary works as responses and reactions to the discourse of rationality

Course Code: 16ENG21C4
Course: IV (Core Course- IV)
Nomenclature of the Course: English Literature (1660- 1798)-II
Total Marks: 100 Theory: 80

Course Outcome:
C.O.1. Understanding of the nuances of new literary forms as a reaction to macro- cultural formations
C.O.2. Ability to situate literary texts within their historical, political, and cultural contexts
C.O.3. Familiarisation with English literature from 1660-1798 i.e. of Restoration Age, Neo-classical Age and Pre-Romantic Age
C.O.4. Acquaintance with various aspects of prose and fiction

Course Code: 16ENG21C5
Course: V (Core Course- V) (Option i)
Nomenclature of the Course: Study of Language-I
Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1 Understanding phonology as mechanics of language
C.O. 2 Better English pronunciation
C.O.3 Theoretical grounding in pedagogy to enable them to develop innovative, imaginative strategies for classroom teaching

SCHEME OF EXAMINATION
M.A. (ENGLISH) PART - I (SEMESTER I & II)
w. e. f. Session 2017-18(CBCS)

SEMESTER II

Course No	Course Code	Nomenclature of Course	Credit/ Hrs.	Max Marks	Theory	Internal Assess-Ment	Duration of Exam
VI (Core Course-VI)	16ENG22C1	English Literature (1798-1914)-I	5	100	80	20	3
VII (Core Course VII)	16ENG22C2	English Literature (1798-1914)-II	5	100	80	20	3
VIII (Core Course-VIII) option-i	16ENG22C3	Study of Language-II	5	100	80	20	3
IX (Discipline Specific Elective Course-I) (Option-i)	16ENG22D1	Drama Studies-1	5	100	80	20	3
IX (Discipline Specific Elective Course-I) (Option-ii)	16ENG22D3	Drama Studies-II	5	100	80	20	3

DEPARTMENT OF ENGLSH
M. A. English (w. e. f. 2017-18)
(Under CBCS) Semester II

Course Code: 16ENG22C1
Course: VI (Core Course- VI)
Nomenclature of the Course: English Literature (1798- 1914)-I
Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1. Appreciate English Literary texts relating them to the intellectual movement across Europe in nineteenth century
C.O.2. Skills of looking critically at the intersections of literary works within the ethos of Industrialism C.O.3. Understanding literary texts as artistic responses to the fastchanging world since mid -19th century

Course Code: 16ENG22C2
Course: VII (Core Course- VII)
Nomenclature of the Course: English Literature (1798- 1914)-II
Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1. Familiarisation with nineteenth century literary representations through Victorian England C.O.2. Learn of novels as epical narratives of the age of disbelief and loss of values C.O.3. Ability to negotiate fictional prose narratives as complex and comprehensive cultural documents

Course Code: 16ENG22C3
Course: VIII (Core Course -VIII) (Option i)
Nomenclature of the Course: Study of Language-II
Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1. Introduction to fundamental tools, essential for a systematic study of language
C.O.2. Understanding of normative rules of generative grammar
C.O.3. Ability to approach language as a part of the contemporary theoretical stances
C.O.4 Acquaintance with various aspects of morphological and semantic aspects

Course Code: 16ENG22D1
Course: IX (Discipline Specific Elective Course -I) (Option i)
Nomenclature of the Course: Drama Studies - I
Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1. Introduction to Indian classical drama through translations
C.O.2. Ability to appreciate literary and cultural ethos of ancient India
C.O.3. Acquaintance with theoretical, creative and critical expression and dramatic tools classical Indian literature

Course Code: 16ENG22D3
Course: X (Discipline Specific Elective Course - II) (Option i)
Nomenclature of the Course: Drama Studies -II

Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1. Introduction to the modern trends and approaches to Drama
C.O.2. Familiarisation with 20th century trends of drama and unravel cultural narratives in its dramatic and theatrical representations
C.O.3. Ability to unravel cultural narratives in its dramatic and theatrical representations

DEPARTMENT OF ENGLSH
M. A. English (w. e. f. 2017-18)
(Under CBCS) Semester III

SEMESTER III

Course No	Course Code	Nomenclature of Course	Credit/ Hrs.	Max Marks	Theory	Internal Assess-Ment	Duration of Exam
XI (Core Course-IX)	17ENG23C1	English Literature (1914-1950)	5	100	80	20	3
XII (Core Course-X)	17ENG23C2	Indian Writings in English –I	5	100	80	20	3
XIII (Core Course-XI)	17ENG23C3	Diasporic Literature –I	5	100	80	20	3
XIV (Core Course-XII)	17ENG23D1	Literary Criticism and Theory –I	5	100	80	20	3
XV (Discipline Specific Elective Course-III)	17ENG23D2	Literature & Ethnicity – I	5	100	80	20	3

DEPARTMENT OF ENGLSH
M. A. English (w. e. f. 2018-19)
(Under CBCS) Semester III

Course Code: 17ENG23C1
Course: XI (Core Course- IX)
Nomenclature of the Course: English Literature (1914- 1950)
Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1. Learning to unravel social and intellectual trends in literary manifestations particularly modernism, imperialism, and new scientific revolutions

C.O.2. Understanding the significance of modern British literary text of the first half of the 20th century and are familiarized with contemporary artistic forms
C.O.3. Learning to relate the impact of political, socio-cultural and economic developments like rise of imperialism and tragedy of World Wars on literature

Course Code: 17ENG23C2
Course: XII (Core Course-X)
Nomenclature of the Course: Indian Writings in English -I
Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1. Ability to understand literature with the multicultural montage of Indian literature.
C.O.2. Study of the socio-cultural, historical and linguistic contexts of Indian Literature written/translated in English
C.O.3. Understanding the relevance of these texts in the present literary scenario of India
C.O.4. Development of composite perspective on the diversity of Indian writings in different regional cultures
C.O.5. Reading literature as a manifestation of the unifying traits of the concepts of Indianness, nativism, nationalism, globalization and human values etc.

Course Code: 17ENG23C3
Course: XIII (Core Course- XI)
Nomenclature of the Course: Diasporic Literature -I
Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1. Understanding the divergent socio-historic conditions reflected in the literature of various colonies, immigrants, and diasporic communities
C.O.2. Ability to study socio-cultural, historical and linguistic contexts of Indian Diasporic literature in English
C.O.3. Familiarisation with the difference between settler colonies and colonies of occupation

Course Code: 17ENG23C4
Course: XIV (Core Course- XII)
Nomenclature of the Course: Literary Criticism and Theory -I
Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1. Familiarisation with major premises of the classical, neo-classical, romantic, Victorian and initial stages of modern literary theory
C.O.2. Development of the trajectory of the thought of criticism
C.O.3. Develops ability to apply tools of literary criticism to literary texts

Course Code: 17ENG23SD1
Course: XV (Discipline Specific Elective Course -III) (Option- i)
Nomenclature of the Course: Literature & Ethnicity – I
Theory: 80

Course Outcomes:

C.O.1. Understanding literature from the perspective of ethnicity and identity, particularly within the post-structuralist social theory
C.O.2. Ability to unravel the process of the interface of ethnic identity and artistic creation
C.O.3. Understanding the varied nuances of the interface of the ethnicity and literary representation with reference to peculiar temporal and spatial dimensions of ethnicity in Asia, Europe and Africa

DEPARTMENT OF ENGLSH

M. A. English (w. e. f. 2017-18)
(Under CBCS) Semester IV

SEMESTER IV

Course No	Course Code	Nomenclature of Course	Credit/ Hrs.	Max Marks	Theory	Internal Assess-Ment	Duration of Exam
XVI (Core Course-XIII	17ENG24C1	English Literature (1950 Onwards)	5	100	80	20	3
XII (Core Course-X)	17ENG24C2	Indian Writings in English –II	5	100	80	20	3
XIII (Core Course-XI)	17ENG24C3	American Literature	5	100	80	20	3
XIV (Core Course-XII)	17ENG24C4	Literary Criticism and Theory –II	5	100	80	20	3
XV (Discipline Specific Elective Course-III)	17ENG24D1	Literature & Ethnicity – II	5	100	80	20	3

DEPARTMENT OF ENGLSH

M. A. English (w. e. f. 2017-18)
(Under CBCS) Semester IV

Course Code: 17ENG24C1
Course: XVI (Core Course- XIII)
Nomenclature of the Course: English Literature (1950 onwards)
Total Marks: 100 Theory: 80

Course Outcomes:

C.O.1. Students understand contemporary literary texts within the theoretical debates of humanities and social sciences since 1960s.
C.O.2. Understanding of English literature 1950 onwards with reference to the political, economic, social and cultural conditions
C.O.3. Understanding of various postulations of social theory and cultural movements manifested in literary texts
C.O.4. Understanding literary texts as (re)presentations

Course Code: 17ENG24C2
Course: XVII (Core Course-XIV)
Nomenclature of the Course: Indian Writings in English -II
Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1. Understanding literature as a part of the multicultural montage of Indian arts
C.O.2. Development of a perspective drawn from a reading of the variegated Indian writings
C.O.3. Ability to understand and negotiate literary works in tandem with socio-cultural movements

Course Code: 17ENG24C3
Course: XVIII (Core Course- XV)
Nomenclature of the Course: American Literature
Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1. Familiarizes with the movements of history, culture and philosophy in America
C.O.2. Sensitization about literature written in English outside England of which American literature is the first and the richest one
C.O.3. Development of ability to approach American Studies

Course Code: 17ENG24C4
Course: XIX (Core Course- XVI)
Nomenclature of the Course: Literary Criticism and Theory -II
Total Marks: 100 Theory: 80

Course Outcomes:
C.O.1. Facilitation of literary theories through illustrative interpretation
C.O.2. Development of an ability of critiquing different aspects of critical theory
C.O.3. Ability to apply art of interpretation to critique discursive texts

Course Code: 17ENG24D1
Course: XX (Discipline Specific Elective Course-IV) (Option i)
Nomenclature of the Course: Literature & Ethnicity – II
Theory: 80

Course Outcomes:
C.O.1. Ability to understand literature from the perspective of ethnicity and identity, particularly with reference to the twentieth and twenty first century lived experiences of ethnic sub-cultures within the national cultures

C.O.2. Ability to unravel the process of the interface of ethnic identity and artistic creation
C.O.3. Understanding the varied nuances of the interface of the ethnicity and literary representation with reference to peculiar temporal and spatial dimensions of ethnicity in India, Australia and United States of America

PROGRAM SPECIFIC OUTCOME

M.A Political

- Department of Political Science in Tika Ram Girls College is running M.Aand B.A courses.
- M.A political science course provide a solid grounding to the learners onthe history of idea and larger issues of epitemology in social
- science.
- Students study political science in U.G courses in B.A students study manypolitical science paper.
- For example:
- Indian politics, comparative Politics, public administration, foreign polityand Indian etc. Indian politics, com PROGRAM SPECIFIC OUTCOME
- parative Politics and political theory is taught in M.A and B.A programme
- Examine indias foreign relation with her neighbours and great powers
- Understanding the nature and development in national and internationalpolitics.
- Use of case study method for analysing the working of important international and regional organisations like UN ,EU,ASEAN ETC.

M.A political science Course outcome M.A(p)

Western political Thought (paper-1)

- This subject gives an introduction to political thought processes and theorymaking in the west from the Greek political thinkers down the ages including utilitarianism.

- This course the student to the richness and variations in the political perceptions of western thinkers. This subjects equips the students with themost current understanding of thought process.

Indian Government and politics (paper-2)

- This paper aware students for the constitution and institutions in their historical and contemporary context. It gives an understanding on the functioning of parliament system in the country.
- The course is excepted to be taught keeping in view the developments such as privatization and Uberlization and issues of social justices.

International politics (paper-3)

- This paper introduces the students to the evolution art history of international relations. The course concludes with a description of contemporary history from the pre cold war to the post cold war era.

- It goes on to describe the globalizing world. This course helps Indians as well as foreign students in understanding international relations as a part ofpolitical Science.

Public administration (paper- 4)

- This course explains the nature scope and evolution of public administration private and principles of socialist management. Analysingthe major concepts in public administration.
- It tracing the challenges in public administration (NPA), comparativepublic administration (CPA) and derision making, leadership, coordination.
- Analysing the civil service in India.
- It exams the institutions of finance administration.

Research methodology (paper-5)

- This course provides social science students Research perspective to the students. It offers the study of quantitative and qualitative methods. The theoretical aspects of the course will comprise an exploration of varioustheories, concepts and terms that are part of Research methodology.

Course outcome M.A (F)

Contemporary political thought and theory (paper-1)

- This course analysing what is politics and explaining. The approaches to the study of political Science, normative, behavioural, post behavioural, feminist.

- It explains the concept of state, sovereignty, monitoring and pluralistic theories, It explains basic concepts of liberty, equality, rights, law and justice. Describing Marxist, and theory of class and class struggle. Explaining Marxian theory and revolution, Lenin Roseau will.

Comparative Politics and analysis (paper-2)

- This course evolution of comparative Politics as a discipline and drawing a distinction between comparative politics and government Critically analysing features of a liberal democratic and socialist political system withfocus on U.K and U.S.A people's republic of china. Discussing the features of a federal system with special reference to U.k and U.S
- A Comparative study of U.K and U.S.A of the executive, judiciary and legislature.

International law (paper-3)

- This paper introduces the basic concept and terminology of public International law introduce the international law relating to treaties and to use of force and the relevance of those topics to current events into due the interaction between legal system and the Australian legal system provide anintroduction to sources and methods of research in the field of international law.

History Department

PROGRAMME SPECIFIC OUTCOMES:

HR1: Careers of history students can engage as educators in elementary schools, secondary schools and postsecondary, historic Sites and Museums etc. as a researcherthey will associated in several fields like.

HR2: Museums and Historical Organizations, Cultural Resources Management and Historic Preservation etc. this course provides to the students as communicator like.

HR3: Writers and Editors. Journalists. Documentary F.diton and Producers of Multimedia Material. History Student can employ as Information Manager in different fields i.e. Archivists.

HR4: Records Managers, Librarians and Information Managers. They will engage asLawyer like, Lawyers and Paralegals, Litigation Support.

HR5: Legislative Staff Work and Foundations. They might he involved in BusinessAssociates as Historians in Corporations or Contract Historians, Historians and Nonprofit Associations.

HR6: They may directly engage in different ranks of the Archaeological Survey ofIndia according to their performances like as Heritage Manager.

HR7: Historic buildings inspector or conservation Officer, Museum education Officeretc.

PAPER-HISTROGRAPHY CONCEPT METHODS & TOOLS

COURSE OUTCOMES -

- Students will have developed their ability to access critical story analysis and argumentfast and present.
- Students will have gained an understanding of the development of the academic studyof history throughout the world since the late 18th century.
- Students will have gained and awareness of recent and contemporary debate in the theory. Practice of historical writing and gained debate in the history thinker.
- Students will have gained debate insight into how history arguments have been and aremade to become away from the historical traditional outside the west.
- Students will have had the opportunity to think reflexively willing about the nature ofthe historical enterprise with in society.

PAPER-HISTORY OF MODERN WORLD

COURSE OUTCOMES -

- Student's enable to understand the various-socio-economic trends in modern period.
- Student's evaluate how the modern west was emerged through renaissance and othersocio-economic developments.
- Student's analyse the rise of capitalism and imperialism led all these developments.
- Student's evaluate how the new political system emerged based on representative system.
- Explain and analyse the rise of new order in the world in the form of socialism and aboutthe world crisis of 1919 and 1939 which led the world wars.

PAPER-POLITICAL HISTORY OF INDIA

COURSE OUTCOMES -

- Students get basic knowledge about the Islamic theory of soverginty, the Sultanate andthe caliphate and theory of kingship under the Sultans of Delhi.
- Students understand the Barni's theory of kingship, nature of Delhi Sultanate and natureof Afghan state.

- Students understand the evolution of Administrative institution, Central andadministration and principal Administration.
- Students understand the composition and role of nobility, kharkhanas and military organization.

PAPER-MEDIEVAL SOCIETIES

COURSE OUTCOMES -

- Student's evaluate the various developments in Federal Europe, Islamic world and medieval World.
- Student's evaluate concept the decline of feudalism and advent of capitalism.
- Student's analyze the describe the rise of middle east identify the describe the emergence of the Arab caliphate the umayyad dynasty and abbasid dynasty.
- Evaluate and analyze the different aspects of Administrative units specially in Indian context.
- Students understand the society through the religion.

PAPER-ANCIENT SOCIETIES (I+II SEM)

COURSE OUTCOMES -

- Students will be able to evaluate the development of human societies and various cultures from stone Age to iron age, worldwide phenomenon.
- Students will be able to know major cultural structure, events and the shaping of worldcontext.
- Students will be able to evaluate and analyze different sources (particularly archaeological) in the country and Overseas.
- Students will be able to critically evaluate the concept of the decline of different civilizations.
- Students will be able to understand the concept of relation of Civilization to each other.

PAPER-INDIAN NATIONAL MOVEMENT (III+IV SEM)

COURSE OUTCOMES -

- Students understand about the Indian nationalism and the role of Indian National Congress sources.

- Students understand the emergence of communal politics and Era communal co-ordination India and the first world war.
- Students understand the emergence of British power and Indian resistances.
- Students understand constitutional development British reaction.
- It arises a feeling of Nationalism in the students.

PAPER-ECONOMIC HISTORY OF INDIA – I (III+IV SEM)

COURSE OUTCOMES -

- Students understand about the economic history of India from stone age, neolithic culture and paraffin culture.
- Students understand the vedic and later Vedic economy.
- Students understand the emergence and growth of industries that is metal, pot making,textile guides in buddhist period and trade and commerce in Buddhist period.
- Students understand about the Mauryan and post mauryan economy.

PAPER-HISTORY OF HARYANA (I+II SEM)

COURSE OUTCOMES -

- Students understand the theme of regional history explored through study of Haryanafrom stone age to independence of India.
- Students will be able to know about the efforts of the people of this region in foreigninvasions.
- Students will be able to analyze the rise of state formation and new power in the regionof Haryana.
- The course enable students to analyze Turkish invasion and impact on Haryana.
- Students will be able to analyze the different aspects of ancient to modern administrative units.

- **TIKA RAM GIRLS COLLEGE SONIPAT**

- **PROGRAM OUTCOMES M.A. ECONOMICS**

- Economics is the study of how people decide to use resources on an individual and a collective basis. It examines the kinds of work people do and how much time they spend doing it.Economics also looks at production, investments, taxation and how people spend and save money. Before you commit yourself to spending time and effort studying economics, it helps to know the advantages of doing so.

- Economics is the study of how societies, governments, businesses, households, and individuals allocate their scarce resources. Our discipline has two important features.

First, we develop conceptual models of behavior to predict responses to changes in policy and market conditions. Second, we use rigorous statistical analysis to investigate these changes.

- Economists are well known for advising the president and congress on economic issues, formulating policies at the Federal Reserve Bank, and analyzing economic conditions for investment banks, brokerage houses, real estate companies, and other private sector businesses. They also contribute to the development of many other public policies including health care, welfare, and school reform and efforts to reduce inequality, pollution and crime.

- The study of economics can also provide valuable knowledge for making decisions in everyday life. It offers a tool with which to approach questions about the desirability of a particular financial investment opportunity, whether or not to attend college or graduate school, the benefits and costs of alternative careers, and the likely impacts of public policies including universal healthcare and a higher minimum wage.

- The complementary study of econometrics, the primary quantitative method used in the discipline, enables students to become critical consumers of statistically based arguments about numerous public and private issues rather than passive recipients unable to sift through the statistics. Such knowledge enables us to ask whether the evidence on the desirability of a particular policy, medical procedure, claims about the likely future path of the economy, or many other issues is really compelling or whether it simply sounds good but falls apart upon closer inspection.

- **COURSE OUTCOME – MICRO ECONOMICS (M.A. FIRST YEAR)**

▪ It will familiar students on creating an understanding among students on the basic reasoning of Economics.
▪ It will make students aware about how various economic agents behave optimally given the scare economic resource and other constraints.
▪ Students are better able to understand various economic issues and applied part of the economics.
▪ A comprehensive knowledge of Micro Economics will empower students to explain the social reality with better arguments and optimum solutions.

COURSE OUTCOME – MACRO ECONOMICS (M.A. PREVIOUS)

▪ Macro economics helps us to understand how a economy is moving as a whole.It is useful in multiple ways to multiple parties.
▪ In Macro economics, a variety of economy –wide phenomena is thoroughly examined such as inflation, price levels, rate of growth, national income, gross domestic product and changes in unemployment.
▪ Private companies decide the investment area depending on macroeconomics data like inflation or sector growth.
▪ It helps us understand the functioning of a complicated modern economic system.
▪ It helps to achieve the goal of economic growth, a higher GDP level, and higher level of employment.
▪ It helps to bring stability in price level and analysis fluctuations in business activities.

❖ COURSE OUTCOME – GROWTH & DEVELOPMENT ECONOMICS (M . A . P R E V I O U S)

❖ Development economics is fascinating because it shows how economic analysis can help us to understand the big themes of the 21st century- poverty and inequality, globalization and trade,and the contrasting experience of success and failure in the economies of different regions of the world.

❖ BENEFITS

▪ Higher average incomes
▪ This enables consumers to enjoy more goods and services and enjoy better standards of living.
▪ Lower unemployment
▪ With higher output and positive economic growth, firms tend to employ more workers creating more employment.
▪ Lower government borrowing
▪ Economic growth creates higher tax revenues and there is less need to spend money on benefits such as unemployment benefit. Therefore economic growth helps to reduce government borrowing.
▪ Improved public services
▪ With increased tax revenues the government can spend more on public services such as the NHS education .

❖ COURSE OUTCOME:MATHEMATICS FOR ECONOMICS(M.A.)

▪ Students will learn different types of functions and their applications.
▪ Students will be familiar with the maxima and minima of functions.
▪ it will impart knowledge about the use of Lagrange multiplier methods.
▪ Students will gain knowledge about the use of net present value and other related concepts.

❖ COURSE OUTCOME: STATISTICAL METHODS (M.A 1ST SEM)

▪ Students will learn different types of functions and their applications.
▪ Students will be familiar with the maxima and minima of functions.
▪ it will impart knowledge about the use of lagrange multiplier methods.
▪ Students will gain knowledge about the use of net present value and other related concepts.

❖ COURSE OUTCOME:INDIAN ECONOMY M.A.(FINAL)

▪ To have knowledge about the issues in Indian Economy like planning, poverty, unemployment etc.
▪ To know about relationship between monetary policy, fiscal policy and economic development.
▪ To know about framework of policy making for the development of Indian economy
▪ To know about the preparation of budgeting and its utilization for Indian Economy.

❖ COURSE OUTCOME:INTERNATIONAL TRADE AND FINANCE(M.A. THIRD SEM)

▪ Students would know the country's position regarding international trade, payments and foreign exchange.
▪ The students would learn the methods regarding improvement in terms of trade, international debt and balance of payments positions.
▪ Students would know about the policies regarding increase in exports, to deal with international institutions and to maintain relation with other countries. Since globalization and international relations can increase the rate of growth and solve domestic problems like inflation, unemployment and value of currency etc.

❖ COURSE OUTCOME:AGRICULTURAL ECONOMICS(M.A.IIISEM)

▪ Course provides knowledge agricultural background , farm and agro business activities, agri finance and management.
▪ It introduces learner applied part of economics instead theoretical, which deals with allocation of land under various crops, specialization, diversification and other policy amplifications.
▪ Course offer relevant production and various techniques to understand agri production, cost benefit analysis and enhance learner to make frontier-production function at least cost.

❖ COURSE OUTCOME:PUBLIC ECONOMICS(M.A. FINAL YR)

▪ The students would learns of the feature the federal structure and financial relationship among them. ▪ The course would develop the analytical ability of students to distinguish between beneficial and detrimental effects of a government policy and their effect on macroeconomics framework of an economy.
▪ It will helps students to critically analyses the fiscal reforms and policy choices of the government in developed and developing countries.

❖ COURSE OUTCOME: Financial Institutions and Markets-II

▪ Course work provides a path to follow research in general area of economics and business.
▪ Students would gain understanding of primarily about estimation and hypothesis testing. What is different and generally much more interesting and useful is that parameter being estimated and tested are not just means and variances but relationship between variables, which is much of economics and other social sciences.
▪ To familiarize the students to study economics with an applied approach.

COURSE OUTCOME: INDIAN ECONOMY (4TH SEM**)**

▪ To have knowledge about the issues in Indian Economy like planning, poverty, unemployment etc.
▪ To know about relationship between monetary policy, fiscal policy and economic development.
▪ To know about framework of policy making for the development of Indian economy
▪ To know about the preparation of budgeting and its utilization for Indian economy.

Maharshi Dayanand University, Rohtak
M.A. Hindi (2017-18)
HND2

Programme Specific Outcomes

PSO 1. आधुनिक काल में रचित हिंदी कविता की विविध प्रवृत्तियों को महत्वपूर्ण कवियों और कविताओं द्वारा समझना।

PSO 2. आधुनिक काल में रचित विविध गद्य विधाओं का आलोचनात्मक अध्ययन ताकि उनके माध्यम से साहित्य एवं समाज के अन्तरसम्बन्ध की जानकारी हो सके।

PSO 3. 1050 ई॰ से अब तक रचित हिंदी साहित्येतिहास की विविध सोपानों के माध्यम से जानकारी।

PSO 4. भाषा एवं विज्ञान, कोश विज्ञान, शैली विज्ञान लिपि की वैज्ञानिक जानकारी प्रदान करना।

PSO 5. जनजीवन में गहरी पैठ बनाने वाले कवि कबीर की बानी की निर्गुण साहित्य परम्परा को जानना।

प्रथम सेमेस्टर

प्रथम प्रश्नपत्र : आधुनिक हिंदी कविता – I

Paper Code : 16HND21C1

Course Outcomes

CO1. आधुनिक कविता की प्रमुख प्रवृत्तियों और परंपरा का ज्ञान कराना।

CO2. छायावादी कविता का अंतरंग परिचय पाने के लिए प्रसाद और निराला से प्रतिनिधि कवियों की कविताओं का पारायण करना और प्रसाद और निराला की रचनाओं की जानकारी के साथ दक्षता पैदा करना।

CO 3. प्रगतिवादी आंदोलन की प्रवृत्तियों और निष्पत्तियों को चुनिंदा कवियों की कृतियों के माध्यम से जानना और प्रगतिवादी कवियों के सामाजिक सरोकारों और कलात्मक विशिष्टताओं की जानकारी प्रदान करना।

CO 4. प्रयोगवादी कविता और नई कविता आंदोलन की रचनाओं को प्रतिनिधि कविताओं के माध्यम से समझना और प्रयोगवादी और नई कविता के माध्यम से समकालीन कविता की प्रमुख विशिष्टताओं की जानकारी प्रदान करना।

CO5. आधुनिककालीन हिन्दी कविता की विकास परंपरा और विविध आंदोलनों की जानकारी।

पाठ्य विषय

1 मैथिलीशरण गुप्त : साकेत (नवम् सर्ग)

2 जयशंकार प्रसाद : कामायनी (श्रद्धा एवं रहस्य सर्ग)

3 सूर्यकांत त्रिपाठी निराला : राम की शक्ति पूजा, स्नेह निर्झर बह गया है, संध्या सुन्दरी, मैं अकेला, तोडती पत्थर, बादल राग प्रथम खंड

4 रामधारी सिंह दिनकर : कुरूक्षेत्र षष्ठम् सर्ग

प्रथम सैमेस्टर

द्वितीय प्रश्न पत्र : आधुनिक गद्य साहित्य – I

Paper Code : 16HND21C2

Course Outcomes

CO 1. आधुनिक गद्य–साहित्य नई सोच और नये दृष्टिकोण को विकसित करता है।

CO 2. आधुनिक गद्य–साहित्य ने हमें प्रत्यक्षतः तथा परोक्षतः पुनर्जागरण के लिए प्रेरित किया।

CO 3. आधुनिक गद्य–साहित्य परिवेश और मनुष्य के बीच के सम्बन्ध को बखूबी समझता है।

CO 4. आधुनिक गद्य–साहित्य परिवेशगत अवमूल्यन पर चोट करता है।

CO 5. आधुनिक गद्य–साहित्य में गद्य भाषा से ग्राम्यत्व हटाकर उसमें नागरिक स्निग्धता का पुट दिया गया है।

पाठ्य विषय

1 गोदान – प्रेमचंद
2 बाणभट्ट की आत्मकथा – आचार्य हजारी प्रसाद द्विवेदी
3 अतीत के चलचित्र – महादेवी वर्मा
4 कथान्तर – संपा0 डॉ0 परमानंद श्रीवास्तव, राजकमल पेपरबैक्स, दिल्ली
निर्धारित कहानियाँ – उसने कहा था, कफन, आकाशदीप, पत्नी, गैंग्रीन, वापसी, लाल पान की बेगम ।

प्रथम सेमेस्टर

तृतीय प्रश्न पत्र : हिंदी साहित्य का इतिहास
(आदिकाल, भक्तिकाल और रीति काल)/मध्यकाल तक –।

Paper Code : 16HND21C3

Course Outcomes

CO 1. इतिहास का संबंध अतीत से होता है और इसमें वास्तविक घटनाओं और वृत्तान्तों का सन्निवेश होता है। इतिहास–दर्शन काल के माध्यम से संस्कृति का अध्ययन करता है।

CO 2. इतिहास मानवीय सरोकारों की व्याख्या करने वाली एक विधा है, जो अतीत के सन्दर्भों से आगत को प्रभावित करती है।

CO 3. हिन्दी साहित्य के इतिहास के अध्ययन का उद्देश्य भी यही है कि वह में नयी व्याख्या, नयी प्रेरणा और नयी दृष्टि से आगत के आलोकपूर्ण पथ को प्रशस्त करता है।

CO 4. आदिकाल से आधुनिक काल तक क्रमबद्ध रूप में विद्यार्थियों को जानकारी देना।

CO 5. मानव–समाज की सम्पूर्ण गति तथा परिवर्तन का मूल्यों के संदर्भ में भी अध्ययन करता है।

पाठ्य विषय

1 हिंदी साहित्येतिहास के अध्ययन की पूर्व – पीठिका हिंदी
साहित्य के इतिहास लेखन की परंपरा साहित्येतिहास
के पुनर्लेखन की समस्याएँ
हिंदी–साहित्य का इतिहास : काल–विभाजन, सीमा – निर्धारण

2 आदिकाल
नामकरण और सीमा
परिवेश : ऐतिहासिक, सामाजिक, सांस्कृतिक, साहित्यिक
आदिकालीन कविता की प्रवृतियाँ
रासो काव्य–परंपरा
पृथ्वीराज रासो की प्रामाणिकता

3 भक्तिकाल
परिवेश : ऐतिहासिक, सामाजिक, सांस्कृतिक, साहित्यिक
भक्ति–आंदोलन
भक्तिकालीन काव्य–धाराएँ : वैशिष्ट्य और अवदान संत
काव्य–धारा : वैशिष्ट्य
सूफी काव्य–धारा : वैशिष्ट्य राम
काव्य–धारा : वैशिष्ट्य कृष्ण
काव्य–धारा : वैशिष्ट्य भक्तिकाल :
स्वर्णयुग

4 रीतिकाल
नामकरण और सीमा
परिवेश : ऐतिहासिक, सामाजिक, सांस्कृतिक, साहित्यिक
रीतिकालीन कवियों का आचार्यत्व
विभिन्न काव्य–धाराओं की विशेषताएँ– रीतिबद्ध

एम0 ए0 प्रथम सेमेस्टर

चतुर्थ प्रश्न पत्र : भाषा विज्ञान एवं हिन्दी भाषा –।

Paper Code : 16HND21C4

Course Outcomes

CO 1. भाषा एवं भाषा विज्ञान की परिभाषा एवं स्वरूप की सैद्धांतिक जानकारी

CO 2. स्वनविज्ञान की परिभाषा एवं स्वरूप तथा वाक् उत्पादन प्रक्रिया का ज्ञान

CO 3. रूपविज्ञान, वाक्य विज्ञान एवं अर्थ विज्ञान की सैद्धांतिक जानकारी

CO 4. हिन्दी भाषा का इतिहास एवं विकास–क्रम का ज्ञान कराना।

CO 5. लिपि विज्ञान की सैद्धांतिक जानकारी देते हुए हिन्दी प्रचार–प्रसार में व्यक्तियों तथा संस्थाओं के योगदान की जानकारी।

पाठ्य विषय

1 भाषा

भाषा की परिभाषा और प्रवृत्ति भाषा

अध्ययन क्षेत्र

भाषा की व्यवस्था और व्यवहार भाषा की

संरचना

भाषा के **अध्ययन** की दिशाएँ (वर्णनात्मक, ऐतिहासिक, तुलनात्मक)

2 स्वनविज्ञान

वाग्यंत्र और ध्वनि–उत्पादन प्रकिया स्वन :

परिभाषा और वर्गीकरण स्वनगुण और उनकी

सार्थकता स्वनिक परिवर्तन की दिशाएँ

स्वनिम : **स्वरूप** और वर्गीकरण

3 रूप विज्ञान एवं वाक्य विज्ञान

शब्द और **रूप** (पद)

संबंध तत्त्व और अर्थ तत्त्व

रूप, संरूप, रूपिमों का स्वरूप

रूपिमों का वर्गीकरण

भाषा की इकाई के **रूप** में वाक्य अभिहितान्वयवाद

और अन्विताभिधानवाद वाक्य के प्रकार :

रचना की दृष्टि से अर्थ

की दृष्टि से

वाक्य की गहन संरचना और बाह्य संरचना

4 अर्थ विज्ञान

अर्थ की अवधारणा, शब्द – अर्थ संबंध अर्थ–बोध

के साधन

एकार्थकता, अनेकार्थता

अर्थ – परिवर्तन की दिशाएँ भाषा – लिपि एवं अन्य विषय–संबंध

भाषा और लिपि के घटकों के संबंध

भाषाविज्ञान और अन्य शास्त्रों/विषयों से संबंध भाषाविज्ञान और व्याकरण,

भाषा विज्ञान और साहित्य

व्यतिरेकी भाषाविज्ञान समाज

भाषाविज्ञान

प्रथम सेमेस्टर
पंचम प्रश्न पत्र : विशेष रचनाकार
विकल्प – कबीरदास –।
Paper Code : 16HND21D1

Course Outcomes

CO 1. कबीर के समाजसुधारक **रूप** को समझने के लिए।

CO 2. कबीर के ज्ञान और प्रेम के माध्यम से समाज की सुप्त चेतना को जगाने का प्रयास करना।

CO 3. निर्गुण भक्ति के स्वरूप को जानने का प्रयास करना।

व्याख्या हेतु निर्धारित पुस्तक पाठ्य विषय

कबीर ग्रंथावली : सम्पादक–डॉ0 श्याम सुन्दर दास
प्रकाशक – नागरी प्रचारिणी सभा, वाराणसी । निम्नलिखित अंग निर्धारित किए

जाते हैं –

1 गुरुदेव कौ अंग	2 सुमिरण कौ अंग	3 बिरह कौ अंग
4 ग्यान बिरह कौ अंग	5 परचा कौ अंग	6 निहकर्मी पतिव्रता कौ अंग
7 चितावणी कौ अंग	8 मन कौ अंग	9 माया कौ अंग
10 **सहज** कौ अंग	11 साँच कौ अंग	12 भ्रम विधौंषण कौ अंग
13 भेष कौ अंग	14 कुसंगति कौ अंग	15 साथ कौ अंग
16 साध महिमा कौ अंग	17 मधि कौ अंग	18 सारग्राही कौ अंग
19 उपदेश कौ अंग	20 बेसास कौ अंग	21 **सबद** कौ अंग
22 जीवन मृतक कौ अंग	23 हेत प्रीति कौ अंग	24 काल कौ अंग
25 कस्तूरियाँ मृग कौ अंग	26 निंद्या कौ अंग	27 बेली कौ अंग
28 अबिहड कौ अंग		

1 कबीर का समाज दर्शन
2 कबीर का दार्शनिक चिंतन
3 कबीर की भक्ति भावना

द्वितीय सेमेस्टर

प्रथम प्रश्न पत्र : आधुनिक हिंदी कविता – ।।

Paper Code : 16HND22C1

Course Outcomes

CO1. आधुनिक कविता की प्रमुख प्रवृत्तियों और परंपरा का ज्ञान कराना।

CO 2. छायावादी कविता का अंतरंग परिचय पाने के लिए प्रसाद और निराला के प्रतिनिधि कवियों की कविताओं का पारायण करना और प्रसाद और निराला की रचनाओं की जानकारी के साथ दक्षता पैदा करना।

CO3. प्रगतिवादी आंदोलन की प्रवृत्तियों और निष्पत्तियों को चुनिंदा कवियों की कृतियों के माध्यम से जानना और प्रगतिवादी कवियों के सामाजिक सरोकारों और कलात्मक विशिष्टताओं की जानकारी प्रदान करना।

CO 4. प्रयोगवादी कविता और नई कविता आंदोलन की रचनाओं को प्रतिनिधि कविताओं के माध्यम से समझना और प्रयोगवादी और नई कविता के माध्यम से समकालीन कविता की प्रमुख विशिष्टताओं की जानकारी प्रदान करना।

CO 5. आधुनिककालीन हिन्दी कविता की विकास परंपरा और विविध आंदोलनों की जानकारी।

पाठ्य विषय

सच्चिदानन्द हीरानंद वात्स्यायन अज्ञेय : असाध्य वीणा, सोन मछली, एक बूँद सहसा उछली

नागार्जुन : चन्दू मैंने सपना देखा, बादल को घिरते देखा है, बाकी बच गया अण्डा, अकाल और उसके बाद, मास्टर, शासन की बन्दूक, आओ रानी हम ढोयेंगेपालकी, सत्य, तीन दिन तीन रात ।

गजानन माधव मुक्तिबोध : अंधेरे में, भूल गलती

रघुवीर सहाय : पढिए गीता, किले में औरत, बड़ी हो रही है लडकी, रामदास, औरत की चीख, पैदल आदमी, पानी पानी बच्चा बच्चा ।

द्वितीय सेमेस्टर

द्वितीय प्रश्न पत्र : आधुनिक गद्य साहित्य – ।।

Paper Code : 16HND22C2

Course Outcomes

CO 1- आधुनिक गद्य–साहित्य नई सोच और नये दृष्टिकोण को विकसित करता है।

CO 2. आधुनिक गद्य–साहित्य ने हमें प्रत्यक्षतः तथा परोक्षतः पुनर्जागरण के लिए प्रेरित किया।

CO 3. आधुनिक गद्य–साहित्य परिवेश और मनुष्य के बीच के सम्बन्ध को बखूबी समझता है।

CO 4. आधुनिक गद्य–साहित्य परिवेशगत अवमूल्यन पर चोट करता है।

CO 5. आधुनिक गद्य–साहित्य में गद्य भाषा से ग्राम्यत्व हटाकर उसमें नागरिक स्निग्धता का पुट दिया गया।

पाठ्य पुस्तकें

1 चंद्रगुप्त – जयशंकर प्रसाद
2 आधे अधूरे – मोहन राकेश
3 आवारा मसीहा – विष्णु प्रभाकर
4 निर्धारित निबंध : साहित्य जनसमूह के हृदय का विकास है, कवियों की उर्मिला विषयक उदासीनता, मजदूरी और प्रेम, कविता क्या है, नाखून क्यों बढते हैं, पगडंडियों का जमाना, अस्ति की पुकार हिमालय

द्वितीय सेमेस्टर

तृतीय प्रश्न पत्र : हिंदी साहित्य का इतिहास –।।

(आधुनिक काल)

Paper Code : 16HND22C3

Course Outcomes

CO1. इतिहास का संबंध अतीत से होता है और इसमें वास्तविक घटनाओं और वृत्तान्तों का सन्निवेश होता है। इतिहास–दर्शन काल के माध्यम से संस्कृति का अध्ययन करता है।

CO 2. इतिहास मानवीय सरोकारों की व्याख्या करने वाली एक विधा है, जो अतीत के सन्दर्भों से आगत को प्रभावित करती है।

CO 3. हिन्दी साहित्य के इतिहास के अध्ययन का उद्देश्य भी यही है कि वह में नयी व्याख्या, नयी प्रेरणा और नयी दृष्टि से आगत के आलोकपूर्ण पथ को प्रशस्त करता है।

CO 4. आदिकाल से आधुनिक काल तक क्रमबद्ध रूप में विद्यार्थियों को जानकारी देना।

CO 5. मानव–समाज की सम्पूर्ण गति तथा परिवर्तन का मूल्यों के संदर्भ में भी अध्ययन करता है।

1 आधुनिक हिंदी साहित्येतिहास
परिवेश : राजनीतिक, सामाजिक, सांस्कृतिक, आर्थिक, साहित्यिक 1857 ई0 की राज्यक्रांति और पुनर्जागरण

2 द्विवेदी युग : प्रवृत्तिगत विशेषताएँ

3 छायावादी काव्य : प्रवृत्तिगत विशेषताएँ

4 उत्तर छायावादी काव्य : प्रतिनिधि रचनाकार एवं प्रवृतियाँ प्रगतिवाद : प्रवृत्तिगत विशेषताएँ
प्रयोगवाद : प्रवृत्तिगत विशेषताए नई
कविता : प्रवृत्तिगत विशेषताएँ नवगीत :
प्रवृत्तिगत विशेषताएँ
समकालीन कविता : प्रवृत्तिगत विशेषताएँ

5 हिंदी गद्य विधाओं का उद्भव और विकास

कहानी	उपन्यास
नाटक	निबंध
संस्मरण	रेखाचित्र
जीवनी	आत्मकथा
रिपोर्ताज	

6 हिंदी आलोचना का उद्भव और विकास

7 दक्खिनी हिंदी साहित्य का संक्षिप्त परिचय

8 हिन्दी की संस्कृति (संस्थाएँ, पत्रिकाएँ, आंदोलन और प्रतिष्ठान)

एम0 ए0 द्वितीय सेमेस्टर

चतुर्थ प्रश्न पत्र : भाषा विज्ञान एवं हिन्दी भाषा – ।।

Paper Code : 16HND22C4

Course Outcomes

CO 1. भाषा एवं भाषा विज्ञान की परिभाषा एवं स्वरूप की सैद्धांतिक जानकारी

CO2. स्वनविज्ञान की परिभाषा एवं स्वरूप तथा वाक् उत्पादन प्रक्रिया का ज्ञान

CO 3. रूपविज्ञान, वाक्य विज्ञान एवं अर्थ विज्ञान की सैद्धांतिक जानकारी

CO4- हिन्दी भाषा का इतिहास एवं विकास–क्रम का ज्ञान कराना।

CO5- लिपि विज्ञान की सैद्धांतिक जानकारी देते हुए हिन्दी प्रचार–प्रसार में व्यक्तियों तथा संस्थाओं के योगदान की जानकारी।

1 हिंदी भाषा का इतिहास
प्राचीन भारतीय आर्य भाषाएँ – वैदिक एवं लौकिक संस्कृत मध्ययुगीन
भारतीय आर्य भाषाएँ – पालि, प्राकृत, अपभ्रंश आधुनिक भारतीय आर्य भाषाएँ
: **परिचय**
आधुनिक भारतीय आर्य भाषाओं का परिचय – हार्नले और ग्रियर्सन का वर्गीकरण

2 हिंदी का विकासात्मक स्वरूप
हिंदी की उप भाषाएँ :
पूर्वी हिंदी और उनकी बोलियाँ पश्चिमी हिंदी
और उनकी बोलियाँ
मानक हिंदी का स्वरूप
काव्य – भाषा **के रूप** में ब्रज का विकास
साहित्यिक हिंदी के **रूप** मे खडी बोली का विकास
हिंदी की संवैधानिक स्थिति

3 हिंदी का भाषिक स्वरूप
स्वनिम व्यवस्था : स्वर – परिभाषा और वर्गीकरण
व्यंजन – परिभाषा और वर्गीकरण हिंदी
शब्द संरचना : उपसर्ग, प्रत्यय, समस्तपद
हिंदी व्याकरणिक कोटियाँ : लिंग, वचन, पुरुष, कारक और काल की व्यवस्था संदर्भ में हिंदी संज्ञा, सर्वनाम, विशेषण और क्रिया रूप
हिंदी वाक्य रचना
हिंदी के विविध रूप ;बोली, भाषा, राजभाषा, राष्ट्रभाषा, संपर्क भाषा, माध्यम भाषा, संचार भाषा

4 नागरी लिपि और हिंदी प्रचार–प्रसार
हिंदी : प्रचार–प्रसार प्रमुख व्यक्तियों का योगदान
प्रमुख संस्थाओं का योगदान नागरी
लिपि का नामकरण और विकास
नागरी लिपि की वैज्ञानिकता नागरी
लिपि का मानकीकरण

द्वितीय सेमेस्टर
पंचम प्रश्न पत्र : विशेष रचनाकार
विकल्प – कबीरदास –।।
Paper Code : 16HND22D1

Course Outcomes

CO 1. कबीर के समाजसुधारक रूप को समझने के लिए।
CO 2. समकालीन संदर्भों मे ं कबीर की महत्ता को समझना।
CO3. कबीर के ज्ञान और प्रेम के माध्यम से समाज की सुप्त चेतना को जगाने का प्रयास करना।
CO4. निर्गुण भक्ति के स्वरूप को जानने के लिए।

व्याख्या हेतु निर्धारित पुस्तक

कबीर ग्रंथावली : सम्पादक–डॉ0 श्याम सुन्दर दास
प्रकाशक – नागरी प्रचारिणी सभा, वाराणसी ।

1 पद – निम्नलिखित पद निर्धारित किए जाते हैं–
1, 2, 3, 4, 8, 10, 11, 12, 13, 14, 16, 21, 23, 24,
32, 34, 37, 38, 39, 41, 42, 43, 48, 49, 51, 52, 53,
56, 57, 59, 60, 61, 64, 69, 80, 84, 89, 91, 92,
99, 100, 111, 117, 120, 129, 132, 136, 139, 153,
156, 165, 169, 175, 180, 181, 184, 219, 224, 226,
233, 234, 235, 251, 258, 273, 286, 289, 298, 304,
306, 307, 310, 311, 312, 313, 317, 323, 330, 336,
337, 338, 342, 356, 359, 361, 367, 370, 371, 377,
378, 382, 383, 387, 389, 390, 394, 396, 400, 402,
405 – 100 पद

2 रमैणी सम्पूण

तृतीय सेमेस्टर द्वितीय प्रश्नपत्र

भारतीय काव्यशास्त्र –।

Paper Code : 17HND23C2

Course Outcomes

CO 1. भारतीय काव्यशास्त्र का परिचय देना
CO 2. भारतीय काव्यशास्त्र के विकासक्रम का परिचय देना
CO3. भारतीय काव्यशास्त्र का महत्त्व और साहित्य में उसकी उपादेयता
CO 4. भारतीय काव्यशास्त्र के सिद्धान्तों और सैद्धान्तिक अवधारणा को समझाना
CO 5. भारतीय काव्यशास्त्र में साम्य वैषम्य और उसके कारणों का ज्ञान कराना।
CO 6. छात्रों में समीक्षात्मक दृष्टि पैदा करना

पाठ्य पुस्तकें

काव्य : स्वरूप और प्रकार

काव्य : अर्थ और परिभाषा काव्य–हेतु

काव्य–प्रयोजन

काव्य–भेद : महाकाव्य, खण्डकाव्य, गीतिकाव्य

रस––सिद्धान्त

रस : परिभाषा तथा स्वरूप

रस–निष्पत्ति

साधारणीकरण, सहृदय की अवधारणा

अलंकार सिद्धान्त : स्वरूप तथा स्थापनाएँरीति

सिद्धान्त : स्वरूप तथा स्थापनाएँ

ध्वनि सिद्धान्त : स्वरूप तथा स्थापनाएँ वक्रोक्ति

सिद्धान्त : स्वरूप तथा स्थापनाएँऔचित्य सिद्धान्त :

स्वरूप तथा स्थापनाएँ

हिंदी के पमख आलोचक तथा उनकी आलोचना दृष्टि

आचार्य रामचन्द्र शुक्ल आचार्य

नन्ददुलारे वाजपेयी आचार्य

हजारीप्रसाद द्विवेदी डॉ0

रामविलास शर्मा

तृतीय सेमेस्टर

प्रथम प्रश्नपत्र

प्राचीन एवं मध्यकालीन काव्य – I

Paper Code : 17HND23C1

Course Outcomes

CO 1. 'पृथ्वीराज रासो' के अध्ययन के माध्यम से आदिकालीन रास काव्यों की प्रवृत्तियों को समझना।

CO 2. विद्यापति के अध्ययन के माध्यम से मैथिल कोकिल की रचनाओं में संचरित शृंगार के विभिन्न पक्षों को हृदयंगम किया जाता है।

CO 3. मध्यकाल के अन्तर्गत परिगणित भक्तिकाल को साहित्य में 'स्वर्णयुग' के नाम से जाना जाता है। अतः यहाँ पर काव्य जगत् के महान् नायकों कबीर, सूर, तुलसी के काव्य के अध्ययन के माध्यम से अनुभूति, अभिव्यक्ति और वैचारिकता के उत्कर्ष को आत्मसात् करना एवं जानना।

CO 4. रीतिकाल के अध्ययन के माध्यम से शृंगारिकता के विविध पक्षों के अध्ययन के साथ–साथ वीर रसात्मक कविताओं के अध्ययन की प्रेरणा को भी अधिगत किया जाता है।

(क) व्याख्या हेतु निर्धारित पाठ्य पुस्तकें

- चन्दवरदायी : पृथ्वीराज रासउ का पदमावती समय : संपादक माता प्रसाद गुप्त
- विद्यापति : विद्यापति की पदावली : संपादक–रामवृक्ष बेनीपुरी

निर्धारित पद – 1, 2, 4, 8, 9, 11, 12, 14, 35, 38, 62, 72, 141, 144, 145, 174, 176, 178, 190, 191, 199(अ), 216, 235, 252, 253–कुल 25 पद

कबीर

कबीर : संपादक : आचार्य हजारीप्रसाद द्विवेदी

निर्धारित अंश (I) पाठ्य साखियाँ–106, 113, 115, 148, 157, 161, 162, 175, 176, 177, 178, 190, 191, 200, 201, 202, 203, 204, 219, 220, 221, 222, 230, 231, 232, 233, 234, 235, 237, 238, 239, 240, 241, 242, 243, 245, 246, 255, 256

(II) पाठ्य पद– 110, 130, 134, 137, 159, 160, 163, 168, 184, 192, 207, 209, 211, 212, 215, 218, 224, 227, 228, 229, 236, 247, 250, 253, 254– कुल 25 पद

तृतीय सेमेस्टर द्वितीय प्रश्नपत्र

भारतीय काव्यशास्त्र –।

Paper Code : 17HND23C2

Course Outcomes

CO 1. भारतीय काव्यशास्त्र का परिचय देना
CO 2. भारतीय काव्यशास्त्र के विकासक्रम का परिचय देना
CO3. भारतीय काव्यशास्त्र का महत्त्व और साहित्य में उसकी उपादेयता
CO 4. भारतीय काव्यशास्त्र के सिद्धान्तों और सैद्धान्तिक अवधारणा को समझाना
CO 5. भारतीय काव्यशास्त्र में साम्य वैषम्य और उसके कारणों का ज्ञान कराना।
CO 6. छात्रों में समीक्षात्मक दृष्टि पैदा करना

पाठ्य पुस्तकें

काव्य : स्वरूप और प्रकार

काव्य : अर्थ और परिभाषा काव्य–हेतु

काव्य–प्रयोजन

काव्य–भेद : महाकाव्य, खण्डकाव्य, गीतिकाव्य

रस––सिद्धान्त

रस : परिभाषा तथा स्वरूप

रस–निष्पत्ति

साधारणीकरण, सहृदय की अवधारणा

अलंकार सिद्धान्त : स्वरूप तथा स्थापनाएँरीति

सिद्धान्त : स्वरूप तथा स्थापनाएँ

ध्वनि सिद्धान्त : स्वरूप तथा स्थापनाएँ वक्रोक्ति

सिद्धान्त : स्वरूप तथा स्थापनाएँऔचित्य सिद्धान्त :

स्वरूप तथा स्थापनाएँ

हिंदी के पमख आलोचक तथा उनकी आलोचना दृष्टि

आचार्य रामचन्द्र शुक्ल आचार्य

नन्ददुलारे वाजपेयी आचार्य

हजारीप्रसाद द्विवेदी डॉ0

रामविलास शर्मा

तृतीय सेमेस्टर तृतीय प्रश्न पत्र

भारतीय साहित्य–।

Paper Code : 17HND23C3

Course Outcomes

CO 1. भारतीय साहित्य के अध्ययन से क्षेत्रियता का लोप होकर राष्ट्रीयता का बोध कराना।
CO2. भारतीय साहित्य के विविध आयाम इसे आधुनिकता और विश्व–दृष्टि से जोड़ते हैं।
CO 3. भारतीय साहित्य विविधता में एकता का दर्शन कराता है।
CO **4.** भारतीय साहित्य भारतीय समाज में सामंजस्य स्थापित कराता है।

पाठ्य पुस्तकें

भारतीय साहित्य की सैद्धांतिक अवधारणा

भारतीय साहित्य का स्वरूप
भारतीय साहित्य के अध्ययन की समस्याएं
भारतीयता का समाजशास्त्र
हिंदी साहित्य में भारतीय मूल्यों की अभिव्यक्ति

बांग्ला साहित्येतिहास का परिचयात्मक अध्ययन

चैतन्यपूर्व वैष्णव भक्ति परम्परा : संक्षिप्त परिचय वैष्णव
भक्ति परम्परा में चैतन्य महाप्रभु का योगदान बांग्ला का इस्लामी
काव्य : प्रमुख प्रवृत्तियां
बांग्ला नवजागरण आंदोलन और बांग्ला गद्य का विकास बांग्ला की
आधुनिक कविता : विकास और परम्परा
बांग्ला नाटक : विकास और परम्परा बांग्ला
उपन्यास : विकास और परम्परा

हिंदी एवं बांग्ला साहित्य का तुलनात्मक अध्ययन

हिंदी एवं बांग्ला नवजागरण का तुलनात्मक अध्ययन
भारतेन्दु हरिश्चंद्र एवं बंकिमचंद्र चटर्जी के साहित्य की प्रमुख प्रवृत्तियों का तुलनात्मक अध्ययन उपन्यासकार
प्रेमचंद एवं शरत्चंद्र चट्टोपाध्याय की स्त्री–दृष्टि का तुलनात्मक अध्ययन
निराला एवं रवीन्द्रनाथ टैगोर के काव्य का तुलनात्मक अध्ययन

तृतीय सेमेस्टर

पंचम प्रश्न पत्र (विकल्प–ट)

नाटक और रंगमंच –।

Paper Code : 17HND23DA5

Course Outcomes

CO 1- धर्मबीर भारती के 'अंधायुग' द्वारा युद्ध की विभीषिका और परिणामों से अवगत कराना। . भारतेन्दु के 'भारत दुर्दशा' नाटक के द्वारा देश के तत्कालीन समाज का चित्रण और अंग्रेजों द्वारा आर्थिक शोषण एवं सामाजिक शोषण द्वारा देश के विनाशकारी रूप का चित्रण। 'एक सत्य हरिश्चन्द्र' द्वारा सड़ी गली परंपराओं का विरोध कर सत्य पथ पर अडिग रहने का भाव जाग्रत करना।सर्वेश्वर दयाल शर्मा के 'बकरी' नाटक के माध्यम से समाज में व्याप्त शोषण के प्रति शोषित वर्ग को जाग्रत करना।

CO 2. नाटक की सैद्धांतिक अवधारणा को समझना।

CO 3. प्रमुख नाटकों एवं नाटककारों की विशिष्टताओं के माध्यम से नाटक और समाज के अन्तर्संबंध को समझना

CO 4. नाटक और रंगमंच के इतिहास से परिचित कराना।

CO 5. नाटकों के माध्यम से समाज के बदलते परिदृश्य, मूल्यों तथा विकास की परंपरा का ज्ञान कराना।

पाठ्य पुस्तकें

- हिंदी नाटक एवं रंगमंच : परिचयात्मक अध्ययन
- हिंदी नाटक : उद्भव और विकास
- नाटक का तात्विक विवेचन
- नाटक और रंगमंच का अंतः संबंध
- हिंदी रंगमंच का उद्भव और विकास
- नाटक में दृश्य–श्रव्य तत्वों का सामंजस्य

- हिंदी रंगमंच, रंगशाला, अभिनेता, निर्देशक, दर्शक, रंग सज्जा, पारसी रंगमंच, पृथ्वी थियेटर, नुक्कड़ नाटक, इप्टा
- भारत दुर्दशा : भारतेन्दु हरिश्चन्द्र
- आषाढ़ का एक दिन : मोहन राकेश

तृतीय सेमेस्टर

पंचम प्रश्न पत्र : विशेष रचनाकार (विकल्प-II)

प्रेमचंद –I

Paper Code : 17HND23DB2

Course Outcomes

CO 1. प्रेमचंद की युगीन परिस्थितियों का ज्ञान कराना।

CO 2. प्रेमचंद की पूर्ववर्ती कथा परंपरा से परिचय कराना।

CO 3- प्रेमचंद की कृतियों के **जरिए** प्रेमचंद के योगदान को रेखांकित करना। प्रेमचंद की चुनिंद रचनाओं के **जरिए** प्रेमचंद को समग्रता में समझ सकना।

CO 4. प्रेमचंद **के समकालीन और परवर्ती** रचनाकारों–आलोचकों की दृष्टि **से** प्रेमचंद का पुनर्मूल्यांकन कर सकना।

पाठ्य पुस्तकें

प्रेमचंद : प्रतिनिधि कहानियाँ सम्पा0 भीष्म साहनी, **राजकमल** प्रकाशन, दिल्ली ।

1 निर्धारित कहानियाँ –
बड़े भाई साहब, नशा, ईदगाह, पूस की रात, नमक का दरोगा, सवा सेर गेहूँ, बड़े घर की बेटी, शतरंज के खिलाड़ी, रामलीला, आत्माराम, ठाकुर का कुँआ, दो बैलों की कथा, सद्गति, पंच परमेश्वर, परीक्षा, कफन ।

2 मानसरोवर खंड – 1

3 निर्धारित निबंध – नया जमाना पुराना जमाना, महाजनी सभ्यता, साम्प्रदायिकता और संस्कृति, साहित्य का उद्देश्य, जीवन और साहित्य में घृणा का स्थान, कहानी कला

चतुर्थ सेमेस्टर
प्रथम प्रश्न पत्र
प्राचीन एवं मध्यकालीन काव्य –।।
Code : 17HND24C1

Course Outcomes

CO 1. 'पृथ्वीराज रासो' के अध्ययन के माध्यम से आदिकालीन रास काव्यों की प्रवृत्तियों को समझना।

CO 2. विद्यापति के अध्ययन के माध्यम से मैथिल कोकिल की रचनाओं में संचरित शृंगार के विभिन्न पक्षो ं को हृदयगं म किया जाता है।

CO 3. मध्यकाल के अन्तर्गत परिगणित भक्तिकाल को साहित्य मे ं 'स्वर्णयुग' के नाम से जाना जाता है। अतः यहाँ पर काव्य जगत् के महान् नायकां े कबीर, सूर, तुलसी के काव्य के अध्ययन के माध्यम से अनुभूति, अभिव्यक्ति और वैचारिकता के उत्कर्ष को आत्मसात् करना एवं जानना।

CO 4. रीतिकाल के अध्ययन के माध्यम से शृंगारिकता के विविध पक्षों के अध्ययन के साथ–साथ वीर रसात्मक कविताओ ं के अध्ययन की प्रेरणा को भी अधिगत किया जाता है।

व्याख्या हेतु निर्धारित पाठ्य पुस्तकें
सूरदास
भ्रमरगीत सार : संपादक रामचन्द्र शुक्ल
पाठ्य पद–21 से 70–कुल 50 पद
तुलसीदास
कवितावली, गीता प्रैस गोरखपुर
व्याख्या के लिए निर्धारत पद
बालकाण्ड – 1 से 7, 17, 20, 22
अयोध्या काण्ड – 1,2,7,11,12,19 से 28
उत्तरकाण्ड – 26 से 60
बिहारी
बिहारी रत्नाकार–सं0 जगन्नाथदास 'रत्नाकर'
निर्धारित दोहे–1, 2, 3, 4, 11, 13, 15, 16, 17, 19, 20, 21, 25, 31, 32, 38, 42, 45, 46, 51, 52, 53, 54, 55, 60, 61, 66, 67, 69, 70, 71, 73, 74, 75, 76, 78, 83, 85, 87, 88, 94, 95, 102, 103, 104, 112, 121, 141, 142, 151, 154, 155, 171, 182, 188, 190, 191, 192, 201, 202, 207, 217, 225, 227, 228, 236, 251, 255, 285, 299, 300, 301, 303, 317, 321, 327, 331, 341, 347, 349, 357, 363, 386, 388, 406, 407, 432, 472, 519, 557, 570, 576, 588, 606, 611, 624, 635, 677, 681, 713–100 दोहे

चतुर्थ सेमेस्टर
द्वितीय प्रश्न पत्र
पाश्चात्य काव्य शास्त्र –।।
Paper Code : 17HND24C2

Course Outcomes

CO 1. पाश्चात्य काव्यशास्त्र का परिचय देना जिससे साहित्यिक समझ एवं दृष्टि विकसित होती है।

CO 2. पाश्चात्य काव्यशास्त्र के सिद्धान्तां ` का ज्ञान कराना

CO 3. पाश्चात्य काव्यशास्त्र के साम्य–वैषम्य और उनके कारणों पर विचार करना

CO 4. पाश्चात्य काव्यशास्त्र के विकास का परिचय देना

CO 5. नई समीक्षा के सिद्धान्तो ं का ज्ञान कराना

CO 6. पाश्चात्य काव्यशास्त्र का साहित्य में महत्त्व और उपादेयता पर विचार करना।

CO 7. आलोचना की विविध प्रणालियो ं तथा नई अवधारणाओ ं का परिचय देना।

पाठ्य विषय

प्लेटो : काव्य सिद्धान्त
अरस्तू : अनुकरण तथा विरेचे न सिद्धांत
लोंजाइनस : उदात्त की अवधारणा
ड्राइडन : काव्य सिद्धांत
वर्ड्सवर्थ : काव्य सिद्धांत
कॉलरिज : कल्पना सिद्धांत
मैथ्यू आर्नल्ड : आलोचना का स्वरूप और प्रकार्य
टी0 एस0 इलियट : निर्वैयक्तिकता का सिद्धांत
आई0 ए0 रिचर्ड्स : संवेगां ` का संतुलन
पाश्चात्य काव्यशास्त्र : सिद्धांत और वाद–
स्वच्छन्दतावाद
शास्त्रीयतावाद
अभिव्यंजनावाद
मार्क्सवाद
फ्रायडवाद
अस्तित्ववाद
उत्तर आधुनिकतावाद

चतुर्थ सेमेस्टर
तृतीय प्रश्न पत्र
भारतीय साहित्य –।।
Paper Code : 17HND24C3

Course Outcomes

CO 1. भारतीय साहित्य के अध्ययन से क्षेत्रियता का लोप होकर राष्ट्रीयता का बोध कराना।
CO 2. भारतीय साहित्य के विविध आयाम इसे आधुनिकता और विश्व–दृष्टि से जोड़ते हैं।
CO 3. भारतीय साहित्य विविधता में एकता का दर्शन कराता है।
CO 4. भारतीय साहित्य भारतीय समाज मे ं सामंजस्य स्थापित कराता है।

भारतीय साहित्य की सैद्धांतिक अवधारणा
भारतीय साहित्य का स्वरूप
भारतीय साहित्य के अध्ययन की समस्याएँ
भारतीयता का समाजशास्त्र
पाठ्य विषय
दीवान–ए–गालिब, संपा0–अली सरदार जाफरी, राजकमल प्रकाशन, नई दिल्ली।
निर्धारित गजलें :
बस कि दुश्वार है 18
ये न थी हमारी किस्मत 21
ज़िक्र उस परीचश का 44
रहिए अब ऐसी जगह 128
कोई उम्मीद बर नहीं आती 162
दिले नादां तुझे हुआ क्या है 163
हर एक बात पै कहते हो 179
नुक्तची है ग़म–ए–दिल 192
इब्ने मरियम हुआ करे कोई 216
हजारों ख्वाहिशें ऐसी 220

रवीन्द्रनाथ की कहानियाँ (खण्ड ।), अनु0–रामसिंह तोमर, साहित्य अकादमी, नई दिल्ली
पाठ्यक्रम में निर्धारित कहानियाँ–

पोस्टमास्टर, काबुलीवाला, दृष्टिदान, नष्टनीड़, पत्नी का पत्र, पात्र और पात्री
'खामोश अदालत जारी है' (नाटक) : विजय तेंदुलकर
संस्कार (उपन्यास) : यू0 आर0 अनंतमूति

चतुर्थ सेमेस्टर
चतुर्थ प्रश्न पत्र (विकल्प–V)
नाटक और रंगमंच –।।
Paper Code : 17HND24DA5

Course Outcomes

CO 1. धर्मबीर भारती के 'अंधायुग' द्वारा युद्ध की विभीषिका और परिणामो ं से अवगत कराना। भारतेन्दु के 'भारत दुर्दशा' नाटक के द्वारा देश के तत्कालीन समाज का चित्रण और अंग्रेजों द्वारा आर्थिक शोषण एवं सामाजिक शोषण द्वारा देश के विनाशकारी रूप का चित्रण। 'एक कण्ठ विषपायी' तथा 'एक सत्य हरिश्चन्द्र' द्वारा सड़ी गली परंपराओं का विरोध कर सत्य पथ पर अडिग रहने का भाव जागृत करना।सर्वेश्वर दयाल शर्मा के 'बकरी' नाटक के माध्यम से समाज मे ं व्याप्त शाे ाण के प्रति शोषित वर्ग को जागृत करना।

CO 2. नाटक की सैद्धांतिक अवधारणा को समझना।

CO 3. प्रमुख नाटकों एव ं नाटककारो ं की विशिष्टताआ ं के माध्यम से नाटक और समाज के अन्तर्संबंध को समझना

CO 4. नाटक और रंगमंच के इतिहास से परिचित कराना।

CO 5. नाटको ं के माध्यम से समाज के बदलते परिदृश्य, मूल्यां ं तथा विकास की परंपरा का ज्ञान कराना।

पाठ्य पुस्तकें :

अंधा युग : धर्मवीर भारती

एक सत्य हरिश्चन्द्र : लक्ष्मीनारायण लाल

एक कंठ विषपायी : दुष्यंत कुमार

बकरी : सर्वेश्वरदयाल सक्सेना

चतुर्थ सेमेस्टर
पंचम प्रश्न पत्र : विशेष रचनाकार (विकल्प–II)
विकल्प – प्रेमचंद –।।
Paper Code : 17HND24DB2

Course Outcomes

CO 1. प्रेमचंद की युगीन परिस्थितियां ं का ज्ञान कराना।

CO 2. प्रेमचंद की पूर्ववर्ती कथा परंपरा से परिचय कराना।

CO 3. प्रेमचंद की कृत्तियां ं के जरिए प्रेमचंद के योगदान को रेखाकित करना। प्रेमचंद की चुनिंदा रचनाओ ं के जरिए प्रेमचंद का ं समग्रता में समझ सकना।

CO 4. प्रेमचंद के समकालीन और परवर्ती रचनाकारों– आलोचकों की दृष्टि से प्रेमचंद का पुनर्मूल्यांकन कर सकना।

पाठ्य विषय
1 रंगभूमि
2 कर्मभूमि
3 प्रेमाश्रम
आलोच्य विषय
1 प्रेमचंद पूर्व उपन्यास – परम्परा
2 प्रेमचंद के उपन्यासां ं मे ं सामाजिक – चेतना
3 प्रेमचंद के उपन्यासां ं मे ं आदर्श और यथार्थ
4 प्रेमचंद के उपन्यासां ं मे ं नारी – चित्रण
5 प्रेमचंद का औपन्यासिक शिल्प
6 रगं भूमि में गॉधं ीवादी दर्शन
7 प्रेमाश्रम में कृषक जीवन
8 कर्मभूमि मं ं राष्ट्रीय स्वाधीनता आन्दोलन
9 हिंदी उपन्यास को प्रेमचंद का योगदान

GEOGRAPHY

Programme Outcomes and Course Outcomes for PG Programmes Programme Name: Two Years M. A in Geography Number of Semesters: Four

Geography Course outcome

Programme learning outcomes (PLOs) are specific types of knowledge and skills that students are expected to acquire in the program and to be able to demonstrate upon completion. The Department expects that students who major in geography will be skilled in disciplinary theories, methodologies, and content. These expectations ground the following learning goals and objectives for undergraduate and graduate majors. The main object of course is to be give the students a holistic understanding of subject, putting a equal weightage to core content and techniques used in geography. The syllabus tries to give equal importance to the main branches of geography: physical and human. The principal goal of the syllabus is to enable the Student to secure the job at the end of the year.

Upon completion of the Master of Arts in Geography, students will be able to demonstrate the following:

1. Compare and contrast the theories, philosophies, and concepts in the discipline of geography, including unifying themes of spatial patterns and structures, the interrelationship between people and places, and the interactions between nature and society.
2. Demonstrate an advanced understanding of and ability to differentiate among the various methodologies used in geographic research.
3. Acquire, analyze, evaluate, interpret and critique geographic data and/or research.
4. Communicate mastery of geographic data, theories, philosophies, and concepts in oral, written, and visual forms, with ethical engagement and respect for diversity of individuals, groups, and cultures.
5. Identify and assess how geographic concepts apply in the workplace and in everyday life to solve real-world problems.

Sem.	Course code	Course Title	Credits L+T+P	Course outcome
1st	16GEO21 C3	Resource Geography	3+1 +0	Students will become sensitized to the concept and classification of resources, use or misuse and will learn conservation methods and techniques.

2nd	16GEO22 C1	Geography of World Economy	3+1 +0	Students would be able to understand how in an increasingly globalized world, economic activities occur unevenly over geographical space; how local places and the global economy are intertwined, and how the regime of neoliberal policies are generating uneven geography of capitalist development.
3rd	17GEO23 C2	Geography of Transport	3+1 +0	Students shall learn about the significance of transport in multifaceted development, various models and theories related to transport networks, accessibility and connectivity and policy interventions.
	17GEO23 CL1	Practical - Field Work	0+0+3	Students would be able to understand the basic socio-economic characteristics of the chosen area through the field methods/ techniques and build the capability of writing a report.
	17GEO23 CL2	Practical -GIS	0+0+3	Students will be able to understand the representation of the earth's surface features with the help of maps by GIS techniques.
4th	17GEO24 C2	Research Methodology	3+1 +0	Students would be able to formulate research questions; understand the advantages and disadvantages of quantitative and qualitative approaches, and write a research proposal.
	17GEO24 CL1	Practical: Aerial Photographs and Its Interpretation	0+0+3	Students would be able to understand the usefulness of air photo interpretation techniques in geography
	17GEO24 CL2	Practical: Satellite Images and Its Interpretation	0+0+3	Students will be able to understand and interpret a variety of satellite images and they can create information about the earth's surface features.

Open Elective 3rd Semester	16ENVO2	Disaster Management		Students would be able to learn about hazards and their management.

Course Outcomes for UG Programmes (Geography)

B.A 1st sem.	101	Geography of India	The students will appreciate the relevance of geographical knowledge of India to understand contemporary issues.
	102	Map and scale (practical)	Students should be able to understand the importance and classification of maps and different types of scale
2nd sem.	103	Physical geography	The course will provide an understanding of the conceptual and dynamic aspects of landform development. Students will also learn the relevance of applied aspects of physical features in various fields.
	104	Representation of physical features (Practical)	Students should be able to understand the importance and uses of maps and the relationship and juxtaposition of features therein.

M.A. Geography –GEO2 Semester-1

16 GEO 21C1 –GEOMORPHOLOGY

Course outcomes:

It will enable student to understand various aspects of landform growth and evolution on the Earth.

To make learner understand the basic conceptual and dynamic concept of landform development.

learners will understand the relevance of applied aspects of Geomorphology in different fields and its importance in various areas.

M.A. Geography –GEO2 SEMESTER 3

17GEO23D5-OCEANOGRAPHY

To make the learner understand the various key aspects of Ocean physiography.

To enable the learner understand the dynamics of Ocean physiography.

Learner will know about the ocean –human interface involving weather ,climate , navigation ,security and resource utilization.

M.A. Geography – GEO2 Semester-IV

17GEO24DA1 - WATER RESOURCE AND MANAGEMENT

Course Outcomes:

Students would be able to Learn some strategies of water resource management.

Learner will have awareness about various important strategies of surface and ground water pollution.

Learner will understand the importance of proper utilization of water resources.

M.A. Geography – GEO2 Semester

16GEO22D3 GEOGRAPHY OF INDIA

It will enable learner to understand the geographical aspects of India.

It will help learner to have a deep knowledge about the various contemporary issues of India subcontinent.

It will facilitate learner's knowledge of major industrial regions of India, transport networks.

It will enhance learners understanding about demographic aspects of India.

Paper 201 Physical Geography

Students will have a general understanding of physical geographic processes, the global distribution of landforms.
The learner will have a general understanding of cultural geographic processes, the global distribution of cultural mosaics, and the history and types of interaction between people within and among these mosaics.
It will enable the students to understand the global atmospherics circulations and disturbances.

Paper 203 Human Geography

Students will have a general understanding of how in the present globalized world .economic activities occur unevenly over geographical space.

Student will know how local places and global economy are intertwined.

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- The learner will read, interpret, and generate maps and other geographic representations as well as extract, analyze, and present information from a spatial perspective.

- Students will have a general understanding of physical geographic processes, the global distribution of landforms and ecosystems, and the role of the physical environment on human populations.

- The learner will have a general understanding of cultural geographic processes, the global distribution of cultural mosaics, and the history and types of interaction between people within and among these mosaics.

V

Semester - 1st

Statistical method in geography Course outcome The main object of course is to be give the students a holistic understanding of subject, putting a equal weightage to core content and techniques used in geography. The syllabus tries to give equal importance to the main branches of geography: physical and human. The principal goal of the syllabus is to enable the Student to secure the job at the end of the year.

Subject outcomes C01:Students would be able to Explain the nature and types of **data and related** statistical techniques.
CO2: Students would be able to Make a
rational choice amongst listed various statistical techniques.
CO3: Students would be able to Describe and explain geographical data relationships.

Semester- 2nd

Environmental geography Course outcome The main object of course is to be give the students a holistic understanding of subject, putting a equal weightage to core content and techniques used in geography. The syllabus tries to give equal importance to the main branches of geography: physical and human. The principal goal of the

syllabus is to enable the Student to secure the job at the end of the year.

Subject outcomes

001:Students would be able to Know the importance of biodiversity to maintain ecological balance. CO2: Students would be able to Understand various environmental issues at national and international concerns. CO3: Students would be able to Understand the linkages between environment and biomes.

Semester-3rd

Remote sensing and GIS Course outcome The main object of cource is to be give the students a holistic understanding of subject, putting a equal weightage to core content and techniques used in geography. The syllabus tries to give equal importance to the main branches of geography: physical and human.

The principal goal of the syllabus is to enable the Student to secure the job at the end of the year.

Subject outcomes C01:Students would be able to Know about various aspects of aerial photogrammetry. CO2: Students would be able to Familiarize and enhance their knowledge about the Remote Sensing and GIS technology.

CO3: Students would be able to Understand the technology along with application value in the Earth **observation.**

Semester-4th Geographical Thoughts

Course outcome The main object of course is to be give the students a holistic understanding of subject, putting a equal weightage to core content and techniques used in geography. The syllabus tries to give equal importance to the main branches of geography: physical and human. The principal goal of the syllabus is to enable the Student to secure the job at the end of the year.

Subject outcomes: C01: Students would be able to Acquaint with the philosophy, methodology and historical development ofgeography as a professional field. CO2: Students would be able to address the spirit and purpose of the changing geographies and to wh**at we as** geographers contribute towards
knowledge production. CO3: Students would be able to Critically look at the contents of other courses at Postgraduate level as logically integrated with the broad currents of thought the subject has witnessed in the distant and **recent past**.

16GEO21C2 CLIMATOLOGY

Learning Outcomes

On successful completion of this course, students should be able to understand the mean global atmospheric circulations and disturbances, world climate systems, climatic variability and change.

16GEO21CL1 PRACTICAL: TOPOGRAPHICAL MAPS AND INTERPRETATION

Learning Outcomes

Students should be able to understand the importance and uses of maps and the relationship and juxtaposition of fearures therein.

16GEO21CL2 PRACTICAL: COMPUTER AIDED STATISTICAL DIAGRAMS AND GRAPHS

Learning Outcomes:

Successful completion of this course will provide the students learning outcomes like an ability to analyse, classify and prepare data for drawing statistical diagrams through computer.

16GEO22C2 REGIONAL DEVELOPMENT AND PLANNING

Learning Outcomes

The student will get familiarised with the theoretical foundations and conceptual grounding of this branch; understand and evaluate the concept of region in geography and its role and relevance in regional planning; and to comprehend the regional development and planning process in India.

16GEO22CL1 PRACTICAL: DIGITAL CARTOGRAPHY

Learning Outcome

After the completion of the semester students will be able to understand and prepare maps.

16GEO22CL2 PRACTICAL: MORPHOMETRIC ANALYSIS

Learning Outcomes:

Students would be able to understand the usefulness of morphometric techniques in the case of a drainage basin.

17GEO24DB3: AGRICULTURAL GEOGRAPHY

Learning Outcomes:

The students should be made to learn major concepts, factors affecting agricultural land use, agricultural system of the world and the emerging scenario in agriculture.

COURSE OUTCOME OF PGDYOGA SCIENCE

PGDYOGA SCIENCE 1STSEM :

1. Foundation of yoga

CO 1. Students will understand the true nature of yoga and won't deceive the public by getting accurate information about yoga's history.

CO 2. Student would be able to know the path of yoga and how it altered with time through learning about the many yoga lineages.

CO 3. The biographies of yogis would inspire a learner to incorporate yoga into their lives. own lives, and by doing so, they would raise their standard of living.

CO 4. Students would be able to comprehend the traditional yoga philosophy, and he would be able to contrast it with contemporary yoga.

CO 5. Students could learn about many perspectives on yoga and their a person's life, importance.

2.Hath Yoga :

CO 1. Students will be able to define Hathyoga and make decisions after learning about it.

perfect moment, place and season for starting the practise of Yoga.

CO 2. Students would know the importance of Hathyoga for better health and

attainment in life.

CO 3. Students will learn the techniques to do Shat-Karmas, Asanas and Pranayams as

per Hathpradipika.

CO 4. Students would know the concept of Sapt-Sadhanas of Maharishi Gherand.

CO 5. The technique of Swami CharanDas'Astanga yoga will be taught to the student.

3. Human Anatomy

CO 1. Student would be able to know the meaning, characteristics of human physiology.

CO 2. Student would be able to know the skeleton system and its classification.

CO 3. Student would be able to know about muscular system and the effect of yoga in it.

CO 4. Student would be able to know about digestive system and the very effect of yoga on it.

CO 5. Student would be able to know about circulatory system, endocrine system, respiratory system, excretory system and effect of yoga on them.

4.PRACTICAL EXAMINATION:

CO 1. Students would be familiar with the different techniques and benefits of Pranayama as per Hathyoga such as Nadishodhan, Shetalee, Sheetkari.

CO 2. Students would be familiar with the different techniques and benefits of Pranayama as described in the Yoga Sutra such as Bahyavritti, Stambhvriti.

CO 3. Students would be familiar with the procedure and benefits of the Suryamanaskara.

CO 4. Students would be acknowledged about the verities of basic Asanas and about their effect on body

2nd SEMESTER:

1.PATANJAL YOG SUTRA

CO 1. Student would be able to know the introduction of Patanjali Yoga Sutras.

CO 2. Student would be able to know vritti of mind.

CO 3. Student would be able to know calm the mind by eliminating the different vritti.

CO 4. Student would be able to know eight steps yoga- Astana Yoga.

CO 5. Student would be able to know PanchaKlesha, Yoga Antrayas and Pramanas, Yama and Niyama, Dhyana (Meditation).

2.YOGA AND HEALTH:

CO 1. Student will learn to apply good habits in his daily routine, which in result improve the health status.

CO 2. Student would be able to understand the methods of doing Abhyanga and become able to apply it on others.

CO 3. Student would understand the importance of proper bath and sleep.

CO 4. Student would be able to understand the reason behind arising the disease and to cure them by following a good seasonal routine.

CO 5. Student would be able to design a healthy diet plan which helps in getting all the necessary nutrients for the body.

3.NATUROPATHY:

CO 1. Student would be able to understand the root reason on which naturopathy work to heat the human body.

CO 2. Student would be able to know the reason of origin of the disease and its different stages.

CO 3. Student would be able to know the miracles of mud therapy, sun and air therapy and student would also be able to heat patients by applying these therapies.

CO 4. Student would be able to understand the concept of hydro therapy.

CO 5. Student would be able to apply fasting without any misconception and would restrain him and others from harmful side effects.

4.PRACTICAL EXAMINATION:

CO 1. Student would be able to perform the Asanas of advanced level.

CO 2. Student would be familiarize with the different lineaqes and their techniques.

CO 3. Student would be able to learn the techniques of Yoga Nindra.

CO 4. Student would be able to learn and perform the yoga and would enhance their language skills.

PROGRAM OUTCOME OF

PGDYOGA SCIENCE

PO 1: Encouraging students to adopt and use yoga into their lives in order to achieve health, acquiring a strong desire to learn the yoga teachings as described in the earliest yoga scriptures.

PO 2: Help the students learn the correct methods for various yoga practices to prevent using erroneous yoga methodology.

PO 3: Give the pupils a thorough understanding of yoga through physiology, psychology, and philosophy so that they can recognize its various facets.

PROGRAM OUTCOME OF BPED

PO 1: To provide a supportive atmosphere with regard to health, physical education, and personal development, and to generate a strong commitment to supporting fairness, appreciating diversity, and doing so.

PO 2: To acquire and apply movement concepts in order to improve performance, as well as to build and hone the motor skills required for involvement in physical exercise.

PO 3: Develop a favorable attitude toward engaging in regular physical activity and a respect for the virtues of movement, including its artistic and technical qualities. their ability to create and maintain pleasant interactions
and relationships, as well as their own and others' sense of self-worth.

PO 4: To assess how physical activity and exercise affect people's biological, social, psychological, and physical development.

BPED COURSE OUTCOME

1ST SEMESTER

1. HISTORY & PRINCIPLES OF PHYSICAL EDUCATION:

CO 1: Students would be able to understand the meaning, aim & objectives of Physical Education.
CO 2: Students would be able to know the Contribution on Physical Education towards general education and misconception about physical education.
CO 3: Students would be able to know the history of Physical Education in India, Ancient Greek, Germany, Sweden, and Denmark. Students would be able to know the present status of Physical Education in Russia and Japan.
CO 4: Students would be able to know about IOC policies of Developing of Physical Education & Sports.
CO 5: Students would be able to know about Indian sports personality and National awards: Arjuna Award, Rajive Gandhi Khel Ratna Award, Dronacharya Award, MAKA Trophy.

2.ANATOMY AND PHYSIOLOGY

CO 1: The students would be able to know the skeletal system, cell, tissue, organ , ligament, cartilage, Spinal column, Pelvic Girdle, The extremities, Joints and their movements.
CO 2: The students would be able to know the muscular system & nervous system and effects of exercise on both systems.
CO 3: The students would be able to know Fatigue, staleness, muscle cramp.
CO 4: The students would be able to know about circulatory system and effects of exercise on it.
CO 5: The students would be able to know the digestive system, respiratory system & excretory system and effects of exercise on it.

3. YOGA EDUCATION

CO 1: The students would be able to know the historical background of yoga and importance of yoga.
CO 2: The students would be able to know the Astang yoga, Pranayam, its type, benefit of pranayam and types of Yoga.
CO 3: The students would be able to know the effect of exercise on digestive system, respiratory system, circulatory system. CO 4: The students would be able to know Satkarms, its benefits, Asanas: types of Asnas, their benefits.
CO 5: The students would be able to know Mudra & Bandha, their benefits.

4.SPORTS TRAINING

CO 1: Students would be able to know the meaning, importance, aim-objectives and principles of sports training.
CO 2: Students would be able to know about strength, speed, endurance, coordination, flexibility and training load
CO 3: Students would be able to know the technical and tactical training and their methods. CO 4: Students would be able to know the meaning and types of periodization, its aim and content of periods.
CO 5: Students would be able to Planning in training session, talent identification.

B.P.ED SEMESTER 2ND

1. OFFICIATING COACHING AND THEORY OF GAMES

CO 1: The students would be able to know the meaning, importance, principles of officiating.

CO 2: The students would be able to know to know the measurement, marking, equipment, rule & regulations of Kabaddi, badminton, judo, kho-kho.
CO 3: The students would be able to know to know the methods of conditioning:, interval training method, circuit training method, weight training method, fartlak method & warming up and cooling down

CO 4: The students would be able to know Doping and its effects on sports performance.
CO 5: The students would be able to know to know the criteria for selection of college/ university team

2. EDUCATIONAL TECHNOLOGY AND METHODS OF TEACHING IN PHYSICAL EDUCATION

CO 1: The students would be able to know the meaning and types of education and educative process and importance of methods of teaching,
CO 2: The students would be able to know about teaching techniques, personal and technical preparation in presentation technique.
CO 3: The students would be able to know about command and it types & teaching aids and Lesson planning.
CO 4.: The students would be able to know Micro teaching & macro teaching.
CO 5: The students would be able to know the meaning, types and steps of stimulation teaching.

3. COMPUTER APPLICATION:

CO 1: The students would be able to understand the basics & types of computer.
CO2: The students would be able to aware about fundamentals of computer hardware and software.
CO3: The students would be able to understand and able to use of different types of application software i.e. MS-word, MS-Excel etc.
CO4: The students would be able to use computers for collection and dissemination of information throughout the world.

4. HEALTH EDUCATION AND ENVIRONMENTAL STUDIES:

CO1: The students would be able to know the meaning, importance of health education and its role in physical education.
CO 2: The students would be able to know care of personal hygiene and different aspects of school health programme.
CO 3: The students would be able to know the meaning, need and scope of environmental studies and environment conservation and sustainable development.
CO 4: The students would be able to know the meaning, effects and control measures of: air pollution, water pollution, soil pollution, noise pollution, thermal pollution.
CO 5: The students would be able to know the management of environment and govt. Policies, role of pollution control board.

3rd SEMESTER

1. RESEARCH AND STATISTICS IN PHYSICAL EDUCATION

CO 1: The Students would be able to know the Meaning, Need and importance of Research in Physical Education and sports.
CO 2: The Students would be able to know and understand the concept of Research Problem, review of related literature
CO 3: The Students would be able to know the Need for surveying, Research Proposal & Research Report
CO 4: The Students would be able to know the Meaning, Definition, Nature and Importance of Statistics.
CO 5: The Students would be able to know about the Statistical Models in Physical Education and Sports.

2.**SPORTS MEDICINE, PHYSIOTHERAPY**

ANDREHABILITATION

CO 1: The Students would be able to know the Meaning, Need & Importance of Sports Medicine in Physical Education.
CO 2: The Students would be able to know and understand the concept of Athletes Care and Rehabilitation and sports injuries
CO 3: The Students would be able to know and understand the concept of first aid.
CO 4: The Students would be able to know and understand the importance and Guiding principles of physiotherapy.
CO 5: The Students would be able to know the Definition, Scope and Principles of Therapeutic Exercise & Physiological Effect of Massage.

3. EDUCATIONAL PSYCHOLOGY

CO 1: The Students would be able know the Meaning, Need & Importance of Psychology in Physical Education.
CO 2: The Students would be able to know the Meaning, Definition & Nature and Types of Intelligence and personality. CO 3: The Students would be able to know and understand the Nature of Human Growth and Development.
CO 4: The Students would be able to know the Concept of Learning
CO 5: The Students would be able to know and understand the Types and Nature of Individual Differences.

4. BIO-MECHANICS

CO 1: The Students would be able to know the Meaning, definition, functions and importance of biomechanics in Physical Education and Sports.
CO 2: The Students would be able to know and understand the Fundamental Mechanical Concept of: Force, Pressure, Mass, Weight, Volume and Density.
CO 3: The Students would be able to know the Newton laws of motion, Force, levers and their application in sports.
CO 4: The Students would be able to know and understand the concept of Spin, Rebound and Swing and their application in Physical Education & Sports.
CO 5: The Students would be able to know and understand the Aerodynamic forces in Physical Education & Sports.

Semester- 4th

1.MEASUREMENTS AND EVALUATION

CO 1: The Students would be able to know the Meaning, Need & Importance of Test, and Measurement & Evaluation in Physical Education
CO 2: The Students would be able to know and understand the concept of Administration of test.
CO 3: The Students would be able to know the Type and classification of Test
CO 4: The Students would be able to know and understand the different Physical and motor Fitness Tests.
CO 5: The Students would be able to know and understand the different Sports Skill Tests Course Contents

2. KINESIOLOGY& BIO-MECHANICS

CO 1: The Students would be able to know the Meaning, Definition, and Scope & Importance of kinesiology.
CO 2: The Students would be able to know the concept and Terminology of various types of Movements around Joints.
CO 3: The Students would be able to know and understand the Structural and functional Classification of Muscles and Postural Defects Injuries

CO 4: The Students would be able to know the Basic Concept of Force, Motion, Newton;s Laws, Equilibrium and Centre of Gravity.
CO 5: The Students would be able to know and understand the Characteristics and Functions of Shoulder Joint & Shoulder Girdle Muscles and Hip Joint Muscles.

3. OLYMPIC MOVEMENT

CO 1: The Students would be able to know about the Origin of Olympic Movement, Educational and cultural values of Olympic movement.
CO 2: The Students would be able to know the concept of Modern Olympic Games and Olympic code of Ethics, Para Olympic, Summer Olympics, Winter Olympics and Youth Olympic Games.
CO 3: The Students would be able to know and understand the - Structure and Functions of International Olympic Committee.
CO4: The Students would be able to understand the role of National Olympic committees in Olympic movement

4. SPORTS MANAGEMENT:

CO 1: The Students would be able to know the concept, Meaning, Importance & Scope of Sports Management.
CO 2: The Students would be able to understand the concept of Factors Affecting Teaching and Various Methods of Teaching.
CO 3: The Students would be able to know the Meaning and Types of Class Management
CO 4: The Students would be able to know and understand the concept of Tournaments.
CO 5: The Students would be able to know the Meaning, Importance and Principles of Administration and Organization and management of sports equipment