

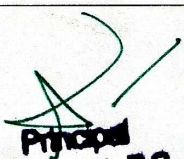
OFFICE OF THE PRINCIPAL
INDIRA GANDHI GOVT. ARTS AND COMMERCE PG COLLEGE
VAISHALI NAGAR, BHILAI, DIST - DURG (C.G.)

ACCREDITED WITH GRADE 'B+' BY NAAC, BANGALORE

Phone No. 0788-2280806, Email: id-govt.collegevaishalinagar@gmail.com Website-www.iggcv.com

DETAILS OF SUBJECT COMBINATION OFFERED BY INDIRA GANDHI GOVT. ARTS AND
COMMERCE COLLEGE, VAISHALI NAGAR, BHILAI

S.NO	PROGRAMME LEVEL	PROGRAMME CODE	NAME OF THE PROGRAMME	DURATION	NAME OF THE AFFILIATED UNIVERSITY
1	UNDER GRADUATION	1	B.A. - POLITICAL SCIENCE, SOCIOLOGY, GEOGRAPHY	3 YEARS	HEMCHAND YADAV UNIVERSITY
2	UNDER GRADUATION	2	B.A. - POLITICAL SCIENCE, SOCIOLOGY, ECONOMICS	3 YEARS	HEMCHAND YADAV UNIVERSITY
3	UNDER GRADUATION	3	B.A. - POLITICAL SCIENCE, SOCIOLOGY, HINDI LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
4	UNDER GRADUATION	4	B.A. - POLITICAL SCIENCE, SOCIOLOGY, SANSKRIT LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
5	UNDER GRADUATION	5	B.A. - POLITICAL SCIENCE, SOCIOLOGY, ENGLISH LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
6	UNDER GRADUATION	6	B.A. - POLITICAL SCIENCE, GEOGRAPHY, HINDI LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
7	UNDER GRADUATION	7	B.A. - POLITICAL SCIENCE, GEOGRAPHY, ECONOMICS	3 YEARS	HEMCHAND YADAV UNIVERSITY
8	UNDER GRADUATION	8	B.A. - POLITICAL SCIENCE, GEOGRAPHY, SANSKRIT LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
9	UNDER GRADUATION	9	B.A. - POLITICAL SCIENCE, GEOGRAPHY, ENGLISH LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
10	UNDER GRADUATION	10	B.A. - POLITICAL SCIENCE, ECONOMICS, HINDI LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
11	UNDER GRADUATION	11	B.A. - POLITICAL SCIENCE, ECONOMICS, ENGLISH LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
12	UNDER GRADUATION	12	B.A. - POLITICAL SCIENCE, ECONOMICS, SANSKRIT LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
13	UNDER GRADUATION	13	B.A. - POLITICAL SCIENCE, ENGLISH LITERATURE, HINDI LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
14	UNDER GRADUATION	14	B.A. - POLITICAL SCIENCE, ENGLISH LITERATURE, SANSKRIT LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
15	UNDER GRADUATION	15	B.A. - SOCIOLOGY, GEOGRAPHY, ECONOMICS	3 YEARS	HEMCHAND YADAV UNIVERSITY
16	UNDER GRADUATION	16	B.A. - SOCIOLOGY, GEOGRAPHY, HINDI LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
17	UNDER GRADUATION	17	B.A. - SOCIOLOGY, GEOGRAPHY, SANSKRIT LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
18	UNDER GRADUATION	18	B.A. - SOCIOLOGY, GEOGRAPHY, ENGLISH LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
19	UNDER GRADUATION	19	B.A. - SOCIOLOGY, ECONOMICS, HINDI LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
20	UNDER GRADUATION	20	B.A. - SOCIOLOGY, ECONOMICS, ENGLISH LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
21	UNDER GRADUATION	21	B.A. - SOCIOLOGY, ECONOMICS, SANSKRIT LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
22	UNDER GRADUATION	22	B.A. - SOCIOLOGY, ENGLISH LITERATURE, SANSKRIT LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
23	UNDER GRADUATION	23	B.A. - SOCIOLOGY, ENGLISH LITERATURE, HINDI LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
24	UNDER GRADUATION	24	B.A. - GEOGRAPHY, ECONOMICS, HINDI LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
25	UNDER GRADUATION	25	B.A. - GEOGRAPHY, ECONOMICS, ENGLISH LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
26	UNDER GRADUATION	26	B.A. - GEOGRAPHY, ECONOMICS, SANSKRIT LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
27	UNDER GRADUATION	27	B.A. - GEOGRAPHY, ENGLISH LITERATURE, HINDI LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
28	UNDER GRADUATION	28	B.A. - GEOGRAPHY, ENGLISH LITERATURE, SANSKRIT LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
29	UNDER GRADUATION	29	B.A. - ECONOMICS, ENGLISH LITERATURE, SANSKRIT LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
30	UNDER GRADUATION	30	B.A. - ECONOMICS, ENGLISH LITERATURE, HINDI LITERATURE	3 YEARS	HEMCHAND YADAV UNIVERSITY
31	UNDER GRADUATION	31	B.SC. BIO	3 YEARS	HEMCHAND YADAV UNIVERSITY
32	UNDER GRADUATION	32	B.SC. MATHS	3 YEARS	HEMCHAND YADAV UNIVERSITY
33	UNDER GRADUATION	33	B.SC. INDUSTRIAL MICROBIOLOGY	3 YEARS	HEMCHAND YADAV UNIVERSITY
34	UNDER GRADUATION	34	B.SC. COMPUTER	3 YEARS	HEMCHAND YADAV UNIVERSITY
35	UNDER GRADUATION	35	B.COM.	3 YEARS	HEMCHAND YADAV UNIVERSITY
36	POST GRADUATION	36	M.A. ENGLISH	2 YEARS	HEMCHAND YADAV UNIVERSITY
37	POST GRADUATION	37	M.A. ECONOMICS	2 YEARS	HEMCHAND YADAV UNIVERSITY
38	POST GRADUATION	38	M.A. POLITICAL SCIENCE	2 YEARS	HEMCHAND YADAV UNIVERSITY
39	POST GRADUATION	39	M.SC. CHEMISTRY	2 YEARS	HEMCHAND YADAV UNIVERSITY
40	POST GRADUATION	40	M.COM.	2 YEARS	HEMCHAND YADAV UNIVERSITY


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LIST OF SUBJECT OFFERED BY INDIRA GANDHI GOVT. ARTS AND COMMERCE COLLEGE,
VAISHALI NAGAR, BHILAI

S.NO	NAME OF THE PROGRAMME	PROGRAMME CODE	COURSES OFFERED
1	B.A. PART 1 (ENGLISH, HINDI, ENVIRONMENT, ENGLISH LITERATURE, HINDI LITERATURE, SANSKRIT LITERATURE, ECONOMICS, POLITICAL SCIENCE, SOCIOLOGY, GEOGRAPHY)		FC ENGLISH
2			FC HINDI
3			ENVIRONMENT
4			LITERATURE IN ENGLISH (1550-1750)
5			LITERATURE IN ENGLISH (1750-1900)
6			प्राचीन हिंदी काव्य
7			हिंदी कथा साहित्य
8			गद्य कथा एवं साहित्यिक हास
9			नाटक, व्याकरण और अनुवाद
10			MICRO ECONOMICS
11			INDIAN ECONOMY
12			POLITICAL THEORY
13			INDIAN GOVERNMENT AND POLITICS
14			INTRODUCTION TO SOCIOLOGY
15			CONTEMPORARY INDIAN SOCIETY
16			PHYSICAL GEOGRAPHY
17			HUMAN GEOGRAPHY
18			PRACTICAL GEOGRAPHY
19	B.A. PART 2 (ENGLISH, HINDI, ENGLISH LITERATURE, HINDI LITERATURE, SANSKRIT LITERATURE, ECONOMICS, POLITICAL SCIENCE, SOCIOLOGY, GEOGRAPHY)		FC ENGLISH
20			FC HINDI
21			MODERN ENGLISH LITERATURE
22			MODERN ENGLISH LITERATURE
23			अर्वाचीन हिंदी काव्य
24			हिंदी निबंध तथा गद्य विधाएं
25			नाटक व्याकरण तथा रचना
26			पद्य तथा साहित्यिक हास
27			MACRO ECONOMICS
28			MONEY BANKING AND PUBLIC FINANCE
29			WESTERN POLITICAL THOUGHT
30			COMPARATIVE GOVERNMENT AND POLITICS BRITAIN, AMERICA, CHINA AND SWITZERLAND
31			SOCIETY IN INDIA
32			CRIME AND SOCIETY
33			ECONOMIC AND RESOURCE GEOGRAPHY
34			GEOGRAPHY OF INDIA
35			PRACTICAL GEOGRAPHY
36	B.A. PART 3 (ENGLISH, HINDI, ENGLISH LITERATURE, HINDI LITERATURE, SANSKRIT LITERATURE, ECONOMICS, POLITICAL SCIENCE, SOCIOLOGY, GEOGRAPHY)		FC ENGLISH
37			FC HINDI
38			INDIAN WRITING IN ENGLISH
39			AMERICAN LITERATURE
40			20 TH CENTURY LITERATURE
41			जनपदीय भाषा साहित्य (छत्तीसगढ़ी)
42			हिंदी भाषा साहित्य का इतिहास तथा हिंदी काव्यांग विवेचन
43			नाटक छंद तथा व्याकरण
44			काव्य अलंकार तथा निबंध
45			DEVELOPMENT AND ENVIRONMENTAL ECONOMICS
46			STATISTICAL METHODS
47			INTERNATIONAL POLITICS AND FOREIGN POLICY
48			PUBLIC ADMINISTRATION
49			SOCIOLOGY OF TRIBAL SOCIETY
50			SOCIAL RESEARCH METHODS
51			RESOURCES AND ENVIRONMENT
52			GEOGRAPHY OF INDIA WITH SPECIAL REFERENCE TO CHHATTISGARH
53			PRACTICAL GEOGRAPHY
54	B.COM. PART 1		FC ENGLISH
55			FC HINDI
56			ENVIRONMENT
57			FINANCIAL ACCOUNTING
58			BUSINESS MATHS
59			BUSINESS COMMUNICATION
60			BUSINESS REGULATORY FRAMEWORK

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		BUSINESS ENVIRONMENT
		BUSINESS ECONOMICS
		FC ENGLISH
		FC HINDI
		CORPORATE ACCOUNTING
		COST ACCOUNTING
		PRINCIPAL OF BUSINESS MANAGEMENT
		COMPANY LAW
		BUSINESS STATISTICS
		FUNDAMENTAL OF ENTREPRENEURSHIP
66	B.COM. PART 2	FC ENGLISH
67		FC HINDI
68		INCOME TAX
69		AUDITING
70		INDIRECT TAX WITH GST
71		MANAGEMENT ACCOUNTING
72		FINANCIAL MARKET OPERATION
73		FINANCIAL MANAGEMENT
74		PRINCIPLE OF MARKETING
75		INTERNATIONAL MARKETING
76		INFORMATION TECHNOLOGY
77		ESSENTIALS OF E-COMMERCE
78	B.COM. PART 3	FUNDAMENTAL OF INSURANCE
79		MONEY AND BANKING SYSTEM
80		FC ENGLISH
81		FC HINDI
82		ENVIRONMENT
83		INORGANIC CHEMISTRY
84		ORGANIC CHEMISTRY
85		PHYSICAL CHEMISTRY
86		PRACTICAL CHEMISTRY
87		MECHANICS, OSCILLATION AND PROPERTIES OF MATTER
88		ELECTRICITY, MAGNETISM AND ELECTROMAGNETIC THEORY
89		PRACTICAL PHYSICS
90		ALGEBRA AND TRIGONOMETRY
91		ELEMENTARY CALCULUS
92		VECTOR ANALYSIS AND GEOMETRY
93		CELL BIOLOGY AND NON CHORDATE
94		CHORDATE AND EMBRYOLOGY
95		PRACTICAL ZOOLOGY
96		BACTERIA, VIRUSES, FUNGI, LICHENS AND ALGAE
97		BRYOPHYTES, PTERIDOPHYTES, GYMNOSPERMS AND PALAEONOTANY
98		PRACTICAL BOTANY
99		GENERAL MICROBIOLOGY, TOOLS AND TECHNIQUES
100		MOLECULAR BIOLOGY, BIOCHEMISTRY AND MICROBIAL GENETICS
101		PRACTICAL INDUSTRIAL MICROBIOLOGY
102	B.SC. PART 1	FC ENGLISH
103		FC HINDI
104		INORGANIC CHEMISTRY
105		ORGANIC CHEMISTRY
106		PHYSICAL CHEMISTRY
107		PRACTICAL CHEMISTRY
108		THERMODYNAMICS, KINETIC THEORY AND STATISTICAL PHYSICS
109		WAVE, ACOUSTICS AND OPTICS
110		PRACTICAL PHYSICS
111		ADVANCE CALCULUS
112		DIFFERENTIAL EQUATION
113		MECHANICS
114		ANATOMY AND PHYSIOLOGY
115		VERTEBRATE, ENDOCRINOLOGY, REPRODUCTIVE BIOLOGY
116		BEHAVIOUR EVOLUTION AND APPLIED ZOOLOGY
117		PRACTICAL ZOOLOGY
118		DIVERSITY OF SEED PLANTS AND THEIR SYSTEMATICS
119		STRUCTURE DEVELOPMENT AND REPRODUCTION IN FLOWERING PLANTS
120		PRACTICAL BOTANY
121		ENVIRONMENTAL MICROBIOLOGY AND BIO-STATISTICS
122		MICROBIAL PHYSIOLOGY AND IMMUNO BIO TECHNOLOGY
123		PRACTICAL INDUSTRIAL MICROBIOLOGY
124	B.SC. PART 2	FC ENGLISH
125		FC HINDI
126		INORGANIC CHEMISTRY
127		ORGANIC CHEMISTRY
128		PHYSICAL CHEMISTRY
129		PRACTICAL CHEMISTRY
130		RELATIVITY, QUANTUM MECHANICS, ATOMIC MOLECULAR AND NUCLEAR PHYSICS
131		SOLID STATE PHYSICS, SOLID STATE DEVICES AND ELECTRONICS
132		PRACTICAL PHYSICS
133		APPLICATION OF MATHEMATICS IN FINANCE AND INSURANCE
134	B.SC. PART 3	
135		
136		
137		

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		PROGRAMMING IN C AND NUMERICAL ANALYSIS (THEORY & PRACTICAL)
		PROGRAMMING IN C AND NUMERICAL ANALYSIS (PRACTICAL)
		MATHEMATICAL MODELLING
		ECOLOGY, ENVIRONMENTAL BIOLOGY, TOXICOLOGY, MICROBIOLOGY AND MEDICAL ZOOLOGY
		GENETICS, CELL PHYSIOLOGY, BIOCHEMISTRY BIOTECHNOLOGY AND BIO TECHNIQUES
		PRACTICAL ZOOLOGY
		PLANT PHYSIOLOGY, BIOCHEMISTRY AND BIOTECHNOLOGY
		ECOLOGY AND UTILIZATION OF PLANTS
		PRACTICAL BOTANY
		AGRICULTURE AND FOOD MICROBIOLOGY
		FERMENTATION TECHNOLOGY AND GOVERNMENT REGULATORS
		PRACTICAL INDUSTRIAL MICROBIOLOGY
149	M.A. ENGLISH 1 ST SEM	POETRY I
150		DRAMA I
151		PROSE I
152		FICTION I
153		HISTORY OF ENGLISH LITERATURE
154	M.A. ENGLISH 2 ND SEM	POETRY II
155		DRAMA II
156		PROSE II
157		FICTION II
158		MODERNIST POETRY
159	M.A. ENGLISH 3 RD SEM	CRITICAL THEORY I
160		INDIAN WRITING ENGLISH I
161		AMERICAN LITERATURE I
162		COLONIAL AND POST COLONIAL STUDIES I
163		LINGUISTICS I
164	M.A. ENGLISH 4 TH SEM	CRITICAL THEORY II
165		INDIAN WRITING ENGLISH II
166		AMERICAN LITERATURE II
167		COLONIAL AND POST COLONIAL STUDIES II
168		LINGUISTICS II
169	M.A. ECONOMICS 1 ST SEM	MICRO ECONOMICS I
170		MACRO ECONOMICS I
171		QUANTITATIVE METHODS
172		INDIAN ECONOMY
173		INDUSTRIAL ECONOMY
174	M.A. ECONOMICS 2 ND SEM	MICRO ECONOMICS II
175		MACRO ECONOMICS II
176		RESEARCH METHODOLOGY AND COMPUTER APPLICATION
177		INDIAN ECONOMY POLICY
178		LABOUR ECONOMICS
179	M.A. ECONOMICS 3 RD SEM	ECONOMICS OF GROWTH
180		INTERNATIONAL TRADE
181		PUBLIC FINANCE
182		ENVIRONMENTAL ECONOMICS
183		DEMOGRAPHY
184	M.A. ECONOMICS 4 TH SEM	ECONOMICS OF DEVELOPMENT AND PLANNING
185		INTERNATIONAL ECONOMICS
186		PUBLIC ECONOMICS
187		ECONOMICS OF SOCIAL SECTOR
188		VIVA-VOCE
189	M.A. POLITICAL SCIENCE 1 ST SEM	INDIAN POLITICAL THOUGHT
190		INDIAN GOVERNMENT AND POLITICS
191		COMPARATIVE POLITICS
192		INTERNATIONAL ORGANIZATION
193	M.A. POLITICAL SCIENCE 2 ND SEM	WESTERN POLITICAL THOUGHT
194		STATE POLITICS IN INDIA
195		COMPARATIVE POLITICS OF DEVELOPING COUNTRIES
196		INDIAN FOREIGN POLICY
197	M.A. POLITICAL SCIENCE 3 RD SEM	PRINCIPLE OF INTERNATIONAL POLITICS
198		PUBLIC ADMINISTRATION PART 1
199		RESEARCH METHODOLOGY PART 1
200		GOVERNMENT AND POLITICS OF CHHATTISGARH
201	M.A. POLITICAL SCIENCE 4 TH SEM	CONTEMPORARY ISSUES OF INTERNATIONAL POLITICS
202		PUBLIC ADMINISTRATION PART 2
203		RESEARCH METHODOLOGY PART 2
204		POLITICAL IDEOLOGIES AND MODERN POLITICAL THOUGHT
205	M.COM. 1 ST SEM	MANAGERIAL ECONOMICS
206		ADVANCE ACCOUNTING
207		INCOME TAX LAW AND ACCOUNTS
208		STATISTICAL ANALYSIS
209		CORPORATE LEGAL FRAMEWORK
210	M.COM. 2 ND SEM	BUSINESS ECONOMICS
211		SPECIALIZED ACCOUNTING
212		TAX PLANNING AND MANAGEMENT
213		ADVANCED STATISTICS

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29/12/16

		BUSINESS LAW
	M.COM. 3 RD SEM	MANAGEMENT CONCEPT
		ORGANIZATIONAL BEHAVIOUR
		ADVANCED COST ACCOUNTING
		MANAGEMENT ACCOUNTING
		ACCOUNTING FOR MANAGERIAL DECISIONS
19		PRINCIPLE OF MARKETING
220	M.COM. 4 TH SEM	ADVERTIZING AND SALES MANAGEMENT
221		MARKETING RESEARCH
222		INTERNATIONAL MARKETING
223		PROJECT, VIVA-VOCE
224		GROUP THEORY AND CHEMISTRY OF METEAL COMPLEXES
225		CONCEPT IN ORGANIC CHEMISTRY
226	M.Sc. CHEMISTRY 1 ST SEM	QUANTUM CHEMISTRY, THERMODYNAMICS AND CHEMICAL DYNAMICS I
227		THEORY AND APPLICATIONS O SPECTROSCOPY I
228		LAB COURSE I
229		LAB COURSE II
230		TRANSITION METAL COMPLEXES
231		REACTING MECHANISMS
232	M.Sc. CHEMISTRY 2 ND SEM	QUANTUM CHEMISTRY, THERMODYNAMICS AND CHEMICAL DYNAMICS II
233		THEORY AND APPLICATIONS O SPECTROSCOPY II
234		LAB COURSE III
235		LAB COURSE IV
236		RESONANCE SPECTROSCOPY, PHOTOCHEMISTRY AND ORGAN CATALYSIS
237		CHEMISTRY OF BIMOLECULAR
238	M.Sc. CHEMISTRY 3 RD SEM	CATALYSIS, SOLID STATE AND SURFACE CHEMISTRY
239		ANALYTICAL TECHNIQUES AND DATA ANALYSIS
240		LAB COURSE V
241		LAB COURSE VI
242		INSTRUMENTAL METHODS OF ANALYSIS
243		NATURAL PRODUCT AND MEDICINAL CHEMISTRY
244		MATERIAL AND NUCLEAR CHEMISTRY
245		ENVIORNMENTAL AND APPLIED CHEMICAL ANALYSIS
246	M.Sc. CHEMISTRY 4 TH SEM	CHEMISTRY OF SURFACTANTS
247		NANO CHEMISTRY
248		POLYMERS
249		LAB COURSE VII
250		LAB COURSE VIII

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Department of Physics

Name of the programme:- UG

Programme Outcome:-

Students will be able to

1. To find out the knowledge on the concepts of general law of physics governing the Universe.
2. Relate the Principles behind the fundamental theory of nature at both microscopic and macroscopic level.
3. Discussion on the developing technologies to meet out the needs of the society.
4. Inculcating scientific thinking and awareness among the students.

Programme Specific Outcome:-

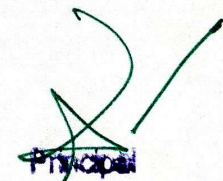
1. Thorough understanding of the basic of Physics that includes electrostatics, Magnetostatics, Electromagnetic radiation, thermodynamics, Quantum Mechanics etc.
2. Explore and identify the frontiers of modern technology.
3. Practical knowledge behind the theory paper through laboratory experiments.

Course Outcome:-

S. No	Class	Paper		Unit	Outcome
1	B.Sc. 1 st Year	I		All	This Paper provides the basic concepts related to motion of the objects around us in our daily life. It comprises to study law of motion, momentum, energy, gravitation, rotational motion, fluid, kepler's law, simple motion, viscosity, elasticity etc.
		II		All	It gives an opportunity for the student to learn about electrostatics force and magnetic force separately and in combine electromagnetic force also. This course contain Maxwell equation, ac circuits, resonance, dielectric etc.
		LAB		Practical	Students would gain practical knowledge about motion, fluid, electricity and magnetism.
2	B Sc 2 nd Year	I		All	This paper makes the students to find the basic understanding of heat and work and their relation with energy and matter. The student's also learn that how laws of thermodynamics

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				uses in heat engine. The paper comprise of, study of, laws of thermodynamics, thermodynamics potentials, kinetic theory of gases, statistical mechanics, behavior of real gases and different statistics(MB, BE, FD)
		II	ALL	The paper includes the study of transverse wave, longitudinal wave, interference, diffraction, polarization laser etc. This paper is important for the student to make their carrier in the field of photonic.
		LAB	Practical	students would learn optical pheromone such as interference, diffractions dispersion and do experiments related to optical device such on prism, gravity, laser etc.
3	B Sc 3 rd Year	I	All	This paper provides a platform to study the matter and energy of microstatic level. Quantum mechanics explains how things happen beyond the human experiences. It includes the study of Schrodinger equations, potential well, hydrogen atom, potential step, potential barrier, Spectroscopy, interactions of charged particles and neutron with matter etc.
		II	ALL	In this paper students will learn different type of crystal structure and symmetries, lattices, x-ray diffractions etc. They also study different devices like PN junction, FET, zener diode, LED, solar cell, transistors, rectifier, amplifier etc. Elementary knowledge of computer, Digital Circuit & Logic Gates are also introduced.
		LAB	Practical	lab courses provide the knowledge of power supply, VTVM, FET, detail study of multimeter etc.


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DEPARTMENT OF SANSHRIT
PROGRAMME SPECIFIC AND COURSE OUTCOMES

"भारतस्य प्रतिष्ठे द्वे संस्कृतं संस्कृतिस्तथा ।"

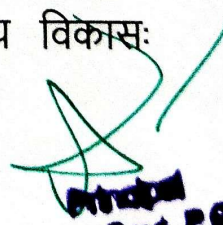
संस्कृत भाषा विश्वस्य प्राचीनतमा भाषा अस्ति । "संस्कृत भाषा समृद्धा परिष्कृता परिशुद्धा तर्कपूर्णा वैज्ञानिकी भाषा अस्ति । संस्कृत-साहित्यः भारत वर्षस्य सभ्यतासंस्कृतेः समग्रनिर्मलदर्पणः अस्ति । संस्कृतभाषायाम् प्राचीन भारतस्य ऐतिहासिक-धार्मिक-सामाजिक-सांस्कृतिक च प्रतिबिम्बम दृश्यते । भारतवर्षस्य ज्ञान-विज्ञान-चिंतनगौरवपरस्परादीनां स्रोतः संस्कृतवाङ्मये एव वर्तते । भारतीय संस्कृतेः संरक्षणाय संवर्धणाय च संस्कृत भाषायाः ज्ञानं परम आवश्यकम् ।

संस्कृत साहित्यः स्नातकस्तरीये [B.A.] संस्कृत पाठ्यक्रमे अस्ति । संस्कृत साहित्यस्य अंतर्गते- गद्यांशः श्लोका नाटका पंचतंत्रस्य कथासूक्तया सुभाषितानि, व्याकरणम्, वेदांगानि महाकाव्यानाम् परिचयम्, संस्कृत साहित्येहासम् इत्यादि अध्ययनम् कुर्वन्ति । संस्कृतसाहित्यस्य महत्वं केवलं [वार्षिक] स्नातकस्तरीये पाठ्यक्रमे नास्ति अपितु सम्पूर्ण व्यक्तित्व-विकासस्य माध्यमः अस्ति ।

PROGRAMME SPECIFIC OUTCOME

- विद्यार्थिषुः संस्कृत भाषायाः ज्ञानं भविष्यति ।
- विषयस्य तथ्यपूर्णज्ञानेन सह तार्किक-चिंतनस्य विकासः भविष्यति ।
- बोधपूर्णभाषायी कौशलेस्य विकासः भविष्यति ।
- संस्कृतभाषायाः साहित्यस्य प्रति अभिरूचिजागरणम् भविष्यति ।
- संस्कृतसाहित्यमाध्यमेन राष्ट्रीयभावनाजागरणम् भविष्यति ।
- विद्यार्थिषु नैतिकसामाजिकमूल्यानाम् प्रति कर्तव्यभावनायाः विकासः भविष्यति ।
- मातृभाषायाम् संस्कृतशब्दानाम् प्रतिबोधनं ।
- सांस्कृतिकमूल्यानाम् प्रतिज्ञानम् ।
- संस्कृतभाषा तथा साहित्यम् प्रति अनुसंधानात्मकस्य दृष्टिकोणस्य विकासः भविष्यति ।
- योग्यप्रशासकीय गुणानाम् विकासः भविष्यति ।

COURSE OUTCOME


Principal
Indira Gandhi Govt. P.G. College
Vaishali Nagar, Bhilai

COURSE	TITLE OF THE PAPER	COURSE OUTCOME
BA I	प्रथम प्रश्न पत्र	• नाट्यविधानाम् योग्यतायाः विकसनम् ।

	नाटक, व्याकरण और अनुवाद	- छात्रेषु: अभिनयकलायाः परिचयप्रदानम् । - छात्रेषु: भावाभिव्यक्ते अवसरप्रदानम् । - संस्कृतभाषायाः ध्वनितत्वाणाम् छात्रेषु: परिचय प्रदानं । - शब्दधातुणाम् विभिन्न रूपणाम् ज्ञानप्रदानम् । - संस्कृतवाक्य रचना योग्यता विकसनम् । - भाषायी गुणदोषाः अवबोधन क्षमता प्रदानं विकसनम् । - छात्रेषु: अनुवाद कौशलस्य विकासकरणं । - छात्रेषु: रचनाधर्मितायाः विकसनम् ।
	द्वितीय प्रश्न पत्र गद्य, कथा एवम साहित्येतिहास	- संस्कृतगद्याणाम् वैशिष्ट्य संक्षेपीकरण क्षमतायाः विकासकरणं । - गद्यकाव्यस्य नाना रूपणाम् परिचय प्रदानं । - गद्यकाव्य माध्यमेण विविध प्रकाराणाम् शिक्षाप्रद मुल्याणाम् अभिव्यक्तिकरणम् । - संस्कृत कथासाहित्यणाम् छात्रेषु: प्रबोधनम् । - कथासाहित्य मध्यमेण तर्कशक्तेः विकसनम् । - कथासाहित्यस्य सर्जनात्मक शक्तेः संवर्धनम् । - कथासाहित्यस्य माध्यमेण छात्रेषु: कल्पनाशक्तिसंवर्धनम् । - संस्कृतसाहित्येतिहास माध्यमेण सांस्कृतिकऐतिहासिकधार्मिक दार्शनिकराजनीतिक इत्यादि विषयाणाम् ज्ञानं । - संस्कृतसाहित्येतिहासम् प्रति अभिरुचि जागरणम् । - साहित्येतिहास ग्रंथाणाम् रहस्य ज्ञानं ।
BA II	प्रथम प्रश्न पत्र नाटक, व्याकरण तथा रचना	- नाट्यविधायाम् योग्यता विकसनम् । - छात्रेषु: प्रतिभा प्रदर्शनस्य अवसर प्रदानम् । - नाट्य अभिनयकलायाः परिचय प्रदानम् । - भाषायी गुण दोषण अवबोधन क्षमता प्रदानम् । - भाषायी ज्ञानसम्बन्धी काठिन्यं दुरीकरणं । - वाक्यरचना माध्यमेण शब्द संरचना उपसर्गप्रत्ययज्ञानं । - विभक्तिकारकप्रयोगमाध्यमेण अनुवाद रचनाधर्मितायाः विकसनम् ।
	द्वितीय प्रश्न पत्र पद्य, तथा साहित्येतिहास	- संस्कृत पद्य साहित्यम् प्रति अभिरुचिजागरणं । - गति-यति-लय भावाभिनयमाध्यमेण श्लोकपाठनदक्षता विकसनम् । - काव्य-सौन्दर्यानुभूति क्षमता प्रदानम् । - सर्जनात्मक शक्तिसंवर्धनम् ।

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		• श्लोकणाम कंठस्थीकरण प्रेरणा प्रदानम् । • संस्कृत साहित्येतिहासं प्रति अभिरुचि जागरणं । • साहित्येतिहासग्रंथाणाम रहस्य अवबोधनम् । • अनुसंधानात्मक दृष्टिकोण जागरणं । • संस्कृतसाहित्येतिहासम् प्रति अभिरुचि जागरणं । • भारतीयसंस्कृतिवैशिष्ट्यमज्ञान प्रदानं ।
BA III	प्रथम प्रश्न पत्र नाटक, छंद तथा व्याकरण	• नाटकाणाम अध्ययेण तात्कालीनसंस्कृतिअवबोधनं । • छात्रेषु: नाटकं भावाभिव्यक्तिअवसरप्रदानम् । • नाटकीयतत्त्वानाम शास्त्रीय ज्ञानेन साहित्यगतप्रयोग क्षमताविकसनम् । • छंदद्वारा श्लोकमंत्राणाम गति-यति-लय भावाभिनय पठनदक्षता प्रापनम् । • छंद-ज्ञानेन काव्य-रचनाकौशलविकसनम् । • काव्यसौन्दर्यानुभूति क्षमताप्रदानं । • व्याकरणस्य व्युत्पत्तिज्ञानेन संस्कृतस्य शब्दस्वरूपज्ञानम् तथा प्रयोगदक्षताविकसनम् । • श्रवणवाचनलेखनकौशलमविकसनम् । • शब्दकोशसंवर्धनं ।
	द्वितीय प्रश्न पत्र काव्य, अलंकार तथा निबंध	• काव्यशास्त्रस्य परिचयेण सह काव्यभेद-शब्दशक्ति-काव्यप्रयोजनज्ञानं । • काव्य मध्यमेन साहित्यगत प्रयोगानाम अवबोध ज्ञानं । • छात्रेषु: अलंकरज्ञानं । • विद्यार्थिषु अलंकारस्य साहित्यिकप्रयोगाणाम क्षमता विकसनम् । • निबंध मध्यमेण वाक्यविन्यासस्य व्याकरणस्य च सूक्ष्म नियमाणाम ज्ञानं मौलिकचिंतनम् करणं । • विषयगतप्रासंगिक विषयनाम् लेखनक्षमताविकसनम् ।

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S. N.	TITLE OF THE PAPER	COURSE	COURSE OUTCOME
1	श्लोक \ पद्य	B A भाग 1 2 3	- संस्कृत पद्य साहित्य के प्रति अभिरुचि जागृत करना । - गति-यति-लय भावाभिनय द्वारा श्लोक पढ़ने में दक्षता प्राप्त करना । - श्रवण वाचन लेखन आदि कौशल का विकास करना । - उच्चारण ज्ञान में दक्षता उत्पन्न करना । - छंद, अलंकार, सम्बन्धी ज्ञान प्राप्त करना । - काव्य-सौंदर्य की अनुभूति करने की क्षमता प्रदान करना । - सर्जनात्मक शक्ति का संवर्धन करना । - श्लोकों का कंठस्थिकरण के द्वारा स्मरण शक्ति का विकास करना ।
2	गद्यांश	B A भाग 1 2 3	- संस्कृत गद्य के माध्यम से वाक्यों की संरचना, उपसर्ग, प्रत्यय, संधि, समास आदि का ज्ञान करना । - छात्रों को विविध गद्य शैलियों से परिचित करना । - गद्य द्वारा सभी प्रकारों के विचारों, कोमलभावों एवम शिक्षाप्रद मूल्यों को अभिव्यक्त करना । - संस्कृत गद्य की बड़ी विशेषता संक्षिप्तता है । - लेखक के भावों के अनुसार गद्य पाठ वाचन करने की क्षमता उत्पन्न करना ।
3	नाटक	B A भाग 1 2 3	- नाटक विधाओं की योग्यता विकसित करना । - उन्हें अभिनय कला का परिचय प्रदान करना । - छात्रों को भावाभिव्यक्ति के अवसर प्रदान करना - प्रतिभा प्रदर्शित करने के अवसर प्रदान करना - नाटक अभिनय की योग्यता विकसित करना ।
4	कहानी \ नीति शिक्षा	B A भाग 1 2 3	- संस्कृत के नीति श्लोकों से छात्रों को परिचित कराना । - नीति श्लोक के माध्यम से तर्क शक्ति का विकास करना ।

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			- छात्रों में उत्तम चरित्र का निर्माण करना । - नीति श्लोकों की सर्जनात्मक शक्ति का विकास करना । - नीति श्लोक के माध्यम से कल्पना शक्ति का विकास करना । - नीति श्लोकों के माध्यम से विद्यार्थियों में नैतिक मूल्यों का विकास करना ।
5	व्याकरण	B A भाग 1 2 3	- संस्कृत भाषा के ध्वनि तत्वों से छात्रों को परिचित करना । - शब्द तथा धातुओं के विभिन्न रूपों का ज्ञान प्रदान करना । - छात्रों की संस्कृत-रचना शक्ति का विकास करना । - भाषा के गुण-दोषों को समझने की क्षमता प्रदान करना । - व्याकरण अध्ययन क्षेत्र में छात्रों की तर्क शक्ति जागृत करना । - संस्कृत गद्य-पद्य के अर्थग्रहण की क्षमता प्रदान करना । - भाषा ज्ञान सम्बन्धी कठिनाईयों को दूर करना ।
6	अपठित गद्यांश	B A भाग 1	- अपठित गद्यांश द्वारा सभी प्रकार के विचारों, कोमलभावों शिक्षाप्रद मूल्यों को अभिव्यक्त करना । - अपठित संस्कृत गद्यांश के माध्यम से शब्दों की संरचना, उपसर्ग, प्रत्यय, संधि, समास आदि का ज्ञान करना । - भाषायी कौशल एवम तर्क शक्ति का विकास करना ।
7	संस्कृत साहित्येतिहास	B A भाग 1 2 3	- संस्कृत साहित्येतिहास के प्रति अभिरुचि जागृत करना । - साहित्येतिहास ग्रंथों के रहस्यों को ज्ञात करना । - अनुसंधानात्मक दृष्टिकोण जागृत करना । - संस्कृत साहित्येतिहास से प्राचीन कवियों, महाकवियों लेखकों के बारे में जानकारी प्राप्त करना ।

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			• साहित्येतिहास से सांस्कृतिक, ऐतिहासिक, धार्मिक, अध्यात्मिक, दार्शनिक, सामाजिक और राजनीतिक आदि की जानकारी प्राप्त करना । • साहित्येतिहास से विद्यार्थियों में कल्पना शक्ति का विकास करना । • प्राचीन ग्रंथेतिहास के बारे में समझ विकसित करना ।
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DEPARTMENT OF SANSHRI T

PROGRAMME SPECIFIC AND COURSE OUTCOME

"भारतस्य प्रतिष्ठे द्वे संस्कृतं संस्कृतिस्तथा ।"

संस्कृत भाषा विश्वस्य प्राचीनतमा भाषा अस्ति । "संस्कृत भाषा समृद्धा : परिष्कृता परिशुद्धा तर्कपूर्णा वैज्ञानिकी भाषा अस्ति । संस्कृत-साहित्यः भारत वर्षस्य सभ्यतासंस्कृतेः समग्रनिर्मलदर्पणः अस्ति । संस्कृत भाषायाम प्राचीन भारतस्य ऐतिहासिकम् , धार्मिकम्, सामाजिकम्, सांस्कृतिकम् च प्रतिबिम्बम् दृश्यते । भारतवर्षस्य ज्ञान-विज्ञान-चिंतनगौरवपरस्परादिनां स्रोतः संस्कृतवाङ्मये एव वर्तते । भारतीय संस्कृतेः संरक्षणाय संवर्धणाय च संस्कृत भाषायाः ज्ञानं परम आवश्यकम् ।

संस्कृत साहित्यः स्नातकस्तरीये(B.A.) संस्कृत पाठ्यक्रमे अस्ति । संस्कृत साहित्यस्य अंतर्गते- गद्यांशः श्लोकः नाटकम्, पंचतंत्रस्य कथाः सूक्तयः सुभाषितानि, व्याकरणम्, वेदांगानि महाकाव्यानाम् परिचयम् संस्कृत साहित्येहासम् इत्यादि अध्ययनम् कुर्वन्ति ।

Principal
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Vishakhapatnam, Andhra Pradesh

संस्कृतसाहित्यस्य अध्ययनम् केवलं [वार्षिक] स्नातकस्तरीयः पाठ्यक्रमः नास्ति
अपितु सम्पूर्ण व्यक्तित्व-विकासस्य माध्यमः अस्ति ।

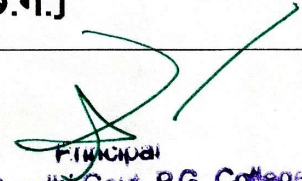
FACILITIES IN DEPARTMENT

- कमरा NUM -
- आलमारी -01
- कुर्सी -01
- टेबल -01
- कंप्यूटर -01

STAFF - 01

नाम -महेश कुमार अलेंद्र
विभाग -संस्कृत साहित्य
पद - सहायक प्राध्यापक
पदस्थापना -5 सितम्बर 2017
नियुक्ति का प्रकार - CG PSC
शैक्षणिक योग्यता -

क्रमांक	कक्षा	वर्ष	संस्थान
1	स्नातक [B A]	2002	पंडित रविशंकर विश्वविद्यालय, रायपुर [छ.ग.]
2	स्नातकोत्तर[MA] [संस्कृत]	2004	पंडित रविशंकर विश्वविद्यालय, रायपुर [छ.ग.]
3	एम फ़िल [भाषा विज्ञान]	2006	पंडित रविशंकर विश्वविद्यालय, रायपुर [छ.ग.]


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Vishesh Nagar, Bilaspur

4	नेट	2013	UGC नई दिल्ली
5	सेट	2013	छत्तीसगढ़ व्यावसायिक परीक्षा मंडल, रायपुर (छ.ग)

**संस्कृत विभाग
प्रवेश वर्षवार जानकारी**

क्रमांक	सत्र	B A भाग-1	B A भाग -2	B A भाग-3
1	2016 -17	12	7	15
2	2017 -18	17	3	2
3	2018 -19	37	7	5
4	2019 -20	28	7	5
5	2020 -21	15	23	8

वार्षिक परीक्षा परिणाम वर्षवार जानकारी

क्रमांक	सत्र	B A भाग-1	B A भाग -2	B A भाग-3
1	2016 -17			
2	2017 -18			2
3	2018 -19			
4	2019 -20			
5	2020 -21			

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Vaidhali Nagar, Bilaspur

SEMINAR\ WORKSHOP ORGANIZED -01

डॉ बहुरन सिंह पटेल सहायक प्राध्यापक व्याकरण शास्त्र

संस्कृत महाविद्यालय, रायपुर[छ.ग.]

विषय - मंत्राणाम रोगेषु प्रभावः

दिनांक -6 जून 2021

RESEARCH PROJECT - NIL

RESEARCH PUBLICATION - NIL

RESEARCH GUIDE - NIL

PLACEMENT- 02 STUDENT PRIVATE


Principal
Mata Gandhi Govt. P.G. College
Kashinadi Nagar, Bhatla

DEPARTMENT ACTIVITY -

संस्कृत विभाग में निम्नलिखित कार्यक्रम होते हैं -

1. **व्यास जयंती** - व्यास जयंती प्रति वर्ष आषाढ मास की पूर्णिमा तिथि को मनाया जाता है। धार्मिक मान्यताओं के अनुसार गुरु पूर्णिमा के पावन दिन महाभारत के रचिता महर्षि वेद व्यास का जन्म हुआ था। **व्यास जयंती को गुरु पूर्णिमा** भी कहते हैं। धार्मिक ग्रंथों में गुरु की महत्ता को बताया गया है, क्योंकि गुरु के बिना ज्ञान की कल्पना भी नहीं की जा सकती है। केवल एक शिक्षक या गुरु ही सत्य और मोक्ष का मार्ग दिखा सकता है और उनके बिना कुछ भी नहीं किया जा सकता है। गुरु व्यक्ति को किसी भी विपरीत परिस्थितियों से बाहर निकल सकती है।

उक्तं च -

गुरुर्ब्रह्मा गुरुर्विष्णुः गुरुर्देवो महेश्वरः।

गुरुः साक्षात् परं ब्रह्मा तस्मै श्री गुरुवे नमः ॥

यह लोगों के जीवन में गुरु की महत्व को दर्शाता है और शिक्षक द्वारा बताये मार्ग पर चलने के लिए प्रेरित करता है। यह भारत, नेपाल, और भूटान में एक त्यौहार के रूप में हिन्दुओं, बौद्धों और जैनियों द्वारा अपने चुने हुए आध्यात्मिक धर्मगुरुओं का सम्मान करने और उनका आभार व्यक्त करने के लिए मनाया जाता है।

2. संस्कृत दिवस [संस्कृत सप्ताह] -

संस्कृत दिवस प्रति वर्ष सावन मास [अगस्त माह] की पूर्णिमा के मौके पर मनाया जाता है। इसी दिन **रक्षा बंधन** भी मनाया जाता है। सावन मास की पूर्णिमा को ऋषियों के स्मरण, पूजा और समर्पण का पर्व भी माना जाता है। ऋषि और ब्राम्हण इसी दिन यजमानों को रक्षा सूत्र बांधते थे। चूँकि ऋषि ही संस्कृत साहित्य के जनक माने जाते हैं इसलिए इस दिवस को संस्कृत दिवस के रूप में मनाया जाता है। इस अवसर पर संस्कृत कवि सम्मलेन, लेखक, गोष्ठी, छात्राओं का भाषण, श्लोकोच्चारण प्रतियोगिता का आयोजन किया जाता है।

संस्कृत के संरक्षण और बढ़ावा देने के लिए सन 1969 में भारत सरकार के शिक्षा मंत्रालय के आदेश से केन्द्रीय तथा राज्य स्तर पर संस्कृत दिवस का निर्देश

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जारी किया गया था तब से सम्पूर्ण भारत में संस्कृत दिवस मनाने की परंपरा शुरू हुई थी। मान्यता है कि इसी दिन से प्राचीन भारत में नया शिक्षण सत्र शुरू होता है और पौष मास की पूर्णिमा तक चलता है।

आज भी देश में जो गुरुकुल हैं, वहां सावन माह की पूर्णिमा में ही वेदों का अध्ययन शुरू होता है। इस अवसर पर प्रत्येक महाविद्यालय, स्कूल और गुरुकुलों में संस्कृत दिवस मनाया जाता है। यह कार्यक्रम एक सप्ताह तक चलता है। **संस्कृत सप्ताह** में निम्नलिखित कार्यक्रम आयोजित होते हैं -

- श्लोकों का वाचन प्रतियोगिता
- सूक्ति संग्रह
- सुभाषित श्लोकों का वाचन
- संस्कृत कहानी \ कथा का वाचन
- निबंध प्रतियोगिता का आयोजन

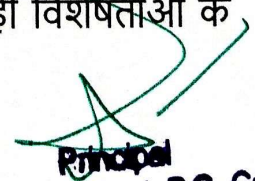
3. महर्षि वाल्मीकि जयंती -

महर्षि वाल्मीकि जयंती प्रति वर्ष शरद \ अश्विन पूर्णिमा को मनाया जाता है। महर्षि वाल्मीकि ने संस्कृत में रामायण की रचना की थी। उनके जन्म दिवस पर हर वर्ष वाल्मीकि जयंती मनाई जाती है। संस्कृत साहित्य के प्रथम महाकाव्य की रचना करने के कारण इन्हें " आदिकवि " भी कहा जाता है। वाल्मीकि जयंती बड़े धूमधाम से मनाया जाता है। रामायण में 24,000 श्लोक अनुष्टुप् छंद और 07 कांडों में विभक्त है।

रामायण में राम-सीता के आदर्शों का वर्णन किया है, जिसके कारण "मर्यादा पुरुषोत्तम" कहा जाता है। रामायण में बुराई पर हमेशा अच्छाई की जीत होती है। सम्पूर्ण रामायण भोगवादी संस्कृति के विरुद्ध त्याग और तपस्या की महिमा की शिक्षा देती है।

4 . महाकवि कालिदास जयंती -

महाकवि कालिदास जी का जन्म कार्तिक मास [नवम्बर माह] के शुक्ल पक्ष की व्दादशी तिथि को मनाया जाता है। महाकवि कालिदास संस्कृत भाषा के महान कवि और नाटककार माने जाते हैं। उन्होंने भारत की पौराणिक कथाओं और दर्शन को आधार बनाकर रचनाएँ की और उनकी रचनाओं में भारतीय जीवन और दर्शन के विविध रूप और मूल तत्त्व निरूपित हैं। कालिदास अपनी इन्हीं विशेषताओं के


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कारण राष्ट्र की समग्र राष्ट्रीय चेतना को स्वर देने वाले कवि माने जाते हैं इनकी रचनाएँ सरल और मधुर भाषा के लिए विशेष रूप से जाना जाता है।

जीवन -कथाओं और किवदंतियों के अनुसार कालिदास शारीरिक रूप से बहुत सुन्दर थे और **विक्रमादित्य** के दरबार के **नवरत्नों** में से एक थे। कहा जाता है कि प्रारंभिक जीवन में कालिदास अनपढ़ और मुखर् थे। कालिदास ने सच्ची मन से **माँ काली देवी** की आराधना की और माता काली की आशीर्वाद से ज्ञानी और धनवान हो गए। जब घर लौट कर दरवाजा खटखटा कर बोला- कपाटम् उद्घात्य सुंदरी! विद्योत्तमा ने चकित होकर कहा - **अस्ति कश्चित् वाग्विशेषः**। इसी से **कुमारसंभवम्, मेघदूतम्, रघुवंशम्** की रचना हुई।

महाकवि कालिदास की रचनाएँ -

अभिज्ञानशाकुन्तल, मालविकाग्निमित्रम्, विक्रमोर्ध्वशियम्- **नाटकम्**, मेघदूतम्, ऋतुसंहार - **खंडकाव्य** रघुवंशम्, कुमारसंभवम् - **महाकाव्य**। इनमें से अभिज्ञानशाकुन्तलम् नाटक **जगतप्रसिद्ध** है।

महाकवि कालिदास वैदर्भी रीति के कवि हैं, उनके रचनाओं में प्रकृति वर्णन अद्वितीय और उपमाओं के लिए जाने जाते हैं।

कहा भी गया है - **"उपमा कालिदासस्य प्रसिद्धमा"**

5. गीता जयंती-

गीता जयंती

6. वसंत पंचमी -

वसंत पंचमी माघ शुक्ल पंचमी को मनाया जाता है। वसंत पंचमी ज्ञान, कला और संगीत की देवी माँ सरस्वती का जन्म दिवस माना जाता है। इस दिन से वसंत ऋतु प्रारंभ होते ही प्रकृति का कण - कण खिल उठता है और होली उत्सव की शुरुवात होती है। वसंत पंचमी प्रकृति के अद्भुत सौंदर्य, श्रृंगार और संगीत की मनमोहक ऋतु यानी ऋतुराज के आगमन की सन्देश वाहक है।

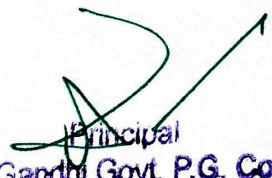
ऋग्वेद में भगवती सरस्वती का वर्णन करते हुए कहा गया है -

" प्रणों देवी सरस्वती वाजेभिर्वजिनीवती धिनामनीत्रयवतु । "

इस दिन पीले रंग का विशेष महत्व माना जाता है क्योंकि पीले रंग शुभता का प्रतीक है। इसके आलावा पीला रंग समृद्धि का भी सूचक कहा गया है। वसंत ऋतु में फूलों की बहार आ जाती है, खेतों में सरसों का सोना चमकने लगता, जौ और गेहूं की बालियाँ खिलने लगती हैं, आमों के पेड़ों पर बौर आ जाता और हर तरफ रंग बिरंगी तितली मंडराने लगती है। इस दिन भारत के कई भागों में पीले रंग के पकवान और पीले वस्त्र पहनते हैं।

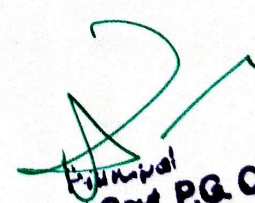
वसंत पंचमी की अनेक ऐतिहासिक और पौराणिक कथाएं हैं। वसंत पंचमी का त्यौहार भारत के साथ-साथ बांग्लादेश, नेपाल अनेक पश्चिमी देशों में भी मनाया जाता है।

इस पर्व के महत्व का वर्णन पुराणों और अनेक धार्मिक ग्रंथों में विस्तार से किया गया है।


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संस्कृत भाषा शिक्षण के विशिष्ट उद्देश्य :-

- संस्कृत की ध्वनियों [वर्ण,पद] का शुद्ध उच्चारण करने की योग्यता उत्पन्न करना ।
- संस्कृत में सरल वाक्य बोलने व समझने की क्षमता विकसित करना ।
- अर्थबोध के साथ संस्कृत गद्यांश को पढ़ने की क्षमता विकसित करना ।
- संस्कृत श्लोकों के सस्वर वाचन की योग्यता उत्पन्न करना ।
- संस्कृत भाषा एवम साहित्य के प्रति जिज्ञासा उत्पन्न करना ।
- विद्यार्थियों में सौंदर्य बोध एवम कल्पनाशीलता तथा चिंतनशीलता का विकास करना ।
- संस्कृत साहित्य का मातृभाषा में अनुवाद करने की क्षमता उत्पन्न करना ।
- संस्कृत भाषा में पत्र-लेखन, निबंध, संवाद-प्रेषण आदि की योग्यता उत्पन्न करना ।
- संस्कृत भाषा में रसानुभूति कराना ।
- प्रतियोगिता परीक्षा हेतु योग्यता विकसित करना । जैसे - PSC, UPSC, NET, SET आदि

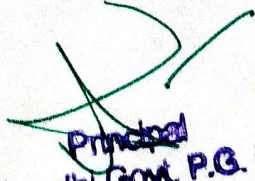

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DEPARTMENT OF POLITICAL SCIENCE

NO	PROGRAMME COURSE	PAPER	COURSE OUT COME
1	B.A. - I	Political Theory	☆ Student will clear with meaning of Political Science in Modern Concept. Explaining the Power Authority and Influence Method of study Political Science.
		Indian Govt. and Politics	☆ Analyzing the Indian movement Gandhi an Movements such as the Noncooperation, Civil Disobedience, Quit India Movements. ☆ Introducing the Indian constitution characteristics, Preamble, Sources.
2	B.A. - II	Political Thought	☆ Covers the Political Thought of Plato and Aristotle social Contract Theories of Thomas Hobbes and John Locke. ☆ Understanding Basic Concept of Liberty, Equality, Rights Law and Justice. ☆ Describing the Marxist Approach to Politics.
		Comparative Government and Politics	☆ Tracing the Evolution of Comparative Politics as a discipline and Drawing. ☆ Distinction Between Comparative Politics and Comparative Government. ☆ Investigating the a Nature and Scope of Comparative Politics. ☆ Critically Analyzing the Features of a liberal Democratic and Socialist Political System with focus on UK, USA and Peoples Republic of China.
3	B.A. - III	International Politics	☆ Student will clear With Meaning Nature and Scope O f International Politics Explanation. The Approaches to study the International Politics. ☆ Impact of environmentalism, Globalization, Human Rights.
		Public Administration	☆ Explaining the Nature Scope and Evolution of Public Administration as a Discipline Differences and similarities between Public and Private Administration. ☆ To explain the bureaucracy and budget making process. The a New trends in public administration.


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		Political Science Programme Out Come	☆ After completion of the course students of Political Science will be able to develop and understanding of the basic concepts in political Science. The will be able to understand Political System in India through the study of constitution and Government at Deferent level. The Students will have General understanding about the relation of Constitution and Functioning of Government. Institution at state level , Central Level, Local Level, Student will develop a detailed understanding of Political Theory, Indian Government and Politics, Political Thought, Comparative Politics, International Politics and Public Administration.
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 Varshali Nagar, Bhilai

MA Political Science Semester 1

1. Indian Political Thought

- (a) It will introduce students to the key ideas of Indian Political Thinkers like Vivekanand, Gandhi, Ambedkar etc.
- (b) Students will be able to understand and compare the thoughts of Indian Political Thinkers as well.

2. Indian Government and Politics

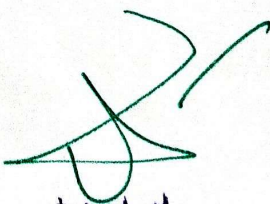
- (a) It will explain the core philosophy and ideals of the Indian Constitution.
- (b) It will help in understanding the structures, powers and functions of three organs of government and their mutual relationship and engagements.

3. Comparative Politics

- (a) It will enable students to understand the meaning and the nature of comparative politics
- (b). It would further enhance their capacity to understand the different approaches of comparative politics.

4. International Organisation

- (a) Students will deeply understand the international organization, its functions and its merits and demerits.
- (b) Students will understand about the different regional organizations like SAARC, ASEAN, BRICS etc.


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MA Political Science Semester-2

1. Western Political Thought

- (a) It will explain the key ideas of all the political philosophers given in the course.
- (b) It will also enhance the capacity of students to understand and compare the ideas of western political philosophers mentioned in the course.

2. State Politics in India

- (a) It will introduce students to the issues involved in state politics.
- (b) It will also help in understanding about the institutions which works at the state level.

3. Comparative Politics in Developing Countries

- (a) It imparts knowledge about the different systems of government in other countries and their merits and demerits
- (b) It would also enable them to understand the various factors that determine a particular country's political system.

4. Indian Foreign Policy

- (a) It will help to acquire a comprehensive understanding of India's world view and the principles governing its foreign policy.
- (b) It will facilitate in understanding about India's relation with other countries


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POLITICAL SCIENCE

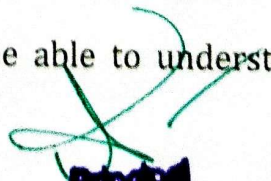
PROGRAMME OUTCOME

After Completion of the course students of Political Science will be able to develop. An understanding of the basic concepts in Political Science. They will be able to understand political system in India through. The study of constitution and government at different level. The students will have general understanding about the relation of constitution and functioning of government institution at state level, Central level, local level, student will develop a detailed understanding of Political theory, Indian Government and Politics, Political Thought, Comparative Politics, International Politics and Public Administration.


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PROGRAMME SPECIFIC OUT COMES B.Com

- ☆ After the completion of this programme the student will become well versed with financial Accounting.
- ☆ After the completion of this programme the student will become well versed with business Communication.
- ☆ After the completion of this programme the student will become well be able to understand Business Mathematics.
- ☆ After the completion of this programme the student will become well become will versed with the laws of business Regularity Frame Work.
- ☆ After the completion of this programme the student will become well be well versed with business environment.
- ☆ After the completion of this programme the student will be able to understand economics of a business.
- ☆ After the completion of this programme the student will become well versed with Corporate Accounting.
- ☆ After the completion of this programme the student will understand the essentials of Company Law.
- ☆ After the completion of this programme the student will become well versed with cost Accounting.
- ☆ After the completion of this programme the student will be able to understand the Principles of business Management.
- ☆ After the completion of this programme the student will become well versed with business statistics.
- ☆ After the completion of this programme the student will understand the fundamentals of entrepreneurship.
- ☆ After the completion of this programme the student will understand the various Laws and arts of Direct Taxation - Income Tax.
- ☆ After the completion of this programme the student will be able to understand the procedures of Auditing.
- ☆ After the completion of this programme the student will be able to understand the essential, principles and procedures of Indirect Taxation and GST.
- ☆ After the completion of this programme the student will be able be well versed with Management Accounting.
- ☆ After the completion of this programme the student will be able to understand the fundamentals of Insurance.
- ☆ After the completion of this programme the student will be able to understand the Banking and Money Management.


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COURSE OUTCOMES

FINANCIAL ACCOUNTING

- ☆ After the completion of this Course the student will be able to impart knowledge of various Accounting concepts.
- ☆ After completion of this course the students will get knowledge about accounting Principles, Procedures, methods and techniques and also learn skills which will be helpful for computerized cringing.

BUSINESS COMMUNICATION

- ☆ The students will be will versed with various concepts process and importance of communication.
- ☆ After completion of this course the students will come to know new trends in business communication.
- ☆ The students after the completion of this course will be able to recognize various media of communication.

BUSINESS MATHEMATICS

- ☆ This course will help the students to prepare for competitive exams.
- ☆ This course will help the students to improve their calculating power and skills.
- ☆ This course helps the students to understand the concepts of simple interest, compound interest and concepts of EMI.

BUSINESS REGULATORY FRAM WORK

- ☆ The course will help the students to know about the Business Environment.

The student will be able to create **entrepreneurial awareness**.

BUSINESS ECONOMICS

- ☆ The students will be able to use various Business economic theories.
- ☆ The Students will be able to solve humans problem by wing economics theories.

The students after the completion of course will be able to understand the basic of micro economic concepts.

BUSINESS STATISTIC

- ☆ After the completion of this course the students will be able to understand and apply the concept of mean median and mode.
- ☆ After the completion of course the students will be able to understand and apply the various methods of sampling and probability measurement.

FUNDAMENTALS OF ENTREPRENEURSHIP

- ☆ This course will help the students to create entrepreneurial temper.
- ☆ After the completion of this course the students will be able to take up the cause of entrepreneurship.

INCOME TAX

- ☆ After the completion of course the students will be able to understand the basic concept and acquire Knowledge about computation of Income.
- ☆ This course will enable the students to submit Income Tax Return, Advance Tax and Tax deducted at source.
- ☆ This course helps the students to identify the procedures of Tax Collection authorities under Income Tax Act.

AUDITING

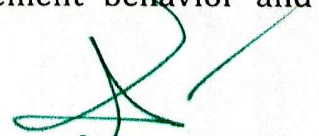
- ☆ After the completion of this course the students will understand about concept and principal of Auditing, Audit process, Assurance standard and Tax Audit of computerized system.
- ☆ This course helps the students to prepare Audit Report.

INDIRECT TAXES WITH G.S.T.

- ☆ After the completion of this course the students will be well versed with the concept of GST.
- ☆ After the completion of this course the students will be well versed with the concept of GST.
- ☆ After the completion of course the students will be able to understand and apply the concept of Excise duty CENVAT.
- ☆ After the completion of this course the students will be able to understand and apply the Knowledge of Registration under GST including its procedures and the liable person for GST registration.

MANAGEMENT ACCOUNTING

- ☆ This course will help the students to understand and apply the basic knowledge of management accounting and its relevance in a business organization.
- ☆ This course will enable the students to apply management behavior and control structures prevalent under varied business environment


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FUNDAMENTAL OF INSURANCE

- ☆ After the completion of this course .The Students will be able to understand and apply the fundamentals of Insurance.
- ☆ This course helps the students to understand and apply the knowledge of life insurance, Fire Insurance and Marine Insurance.
- ☆ This course also helps the students to understand and apply the functions of insurance agent

MONEY AND BANKING

- ☆ The course will be helpful to students as it will provide understanding about fundamentals of Banking.
- ☆ The students after the completion of this course will be able to understand and apply the banking business and practices.
- ☆ This course also provide understanding about this new concepts introduced in this banking system.


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Dept. of Mathematics

Program Outcomes

The Bachelor's Degree in B.Sc. Mathematics is awarded to the students on the basis of knowledge, understanding, skills, attitudes, values and academic achievements sought to be acquired by learners at the end of this program. Hence, the learning outcomes of mathematics for this course are aimed at facilitating the learners to acquire these attributes, keeping in view of their preferences and aspirations for knowledge of mathematics. Mathematics is the study of quantity, structure, space and change. It has very broad scope in science, engineering and social sciences. The key areas of study in mathematics are Calculus, Algebra, Geometry, Analysis, Differential Equations and Mechanics. Programme Specific Outcome of B.Sc. Mathematics

- ✚ Think in a critical manner.
- ✚ Familiarize the students with suitable tools of mathematical analysis to handle issues and problems in mathematics and related sciences.
- ✚ Acquire good knowledge and understanding to solve specific theoretical and applied problems in advanced areas of mathematics and statistics.
- ✚ Provide students/learners sufficient knowledge and skills enabling them to undertake further studies in mathematics and its allied areas on multiple disciplines concerned with mathematics.
- ✚ Encourage the students to develop a range of generic skills helpful in employment, internships and social activities. Bachelor's degree in mathematics is the culmination of in-depth knowledge of algebra, calculus, geometry, differential equations and several other branches of mathematics.

This programme will also help students to enhance their employability for government jobs, jobs in banking, insurance and investment sectors, data analyst jobs and jobs in various other public and private enterprises.

Programme Specific Outcome of B.Sc. Mathematics

- ✚ Think in a critical manner.
- ✚ Know when there is a need for information, to be able to identify, locate, evaluate, and effectively use that information for the issue or problem at hand.
- ✚ Formulate and develop mathematical arguments in a logical manner.
- ✚ Acquire good knowledge and understanding in advanced areas of mathematics and statistics, chosen by the student from the given courses.
- ✚ Understand, formulate and use quantitative models arising in social science, Business and other contexts


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Course Outcome

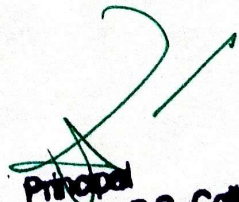
S. No	Class	Paper	Unit	Outcome
1	B Sc 1 st Year	I	All	Algebra & Trigonometric: Work with matrices and determine if a given square matrix is invertible. - Learn to solve systems of linear equations and application problems requiring them. - Learn to compute determinants and know their properties. - Learn to find and use eigenvalues and eigenvectors of a matrix. - Learn about and work with vector spaces and subspaces - Recognize and use the vocabulary of angles (including standard position, initial and terminal sides, quadrantal angles, coterminal angles, acute, right, and obtuse angles) - Use right triangles to evaluate the six trigonometric functions - Compute the six trigonometric functions of any angle and use the unit circle to define the six trigonometric functions for all real numbers - Know and draw the graphs of the six trigonometric functions and their variations - Understand the definitions of the inverse trigonometric functions
		II	All	Calculus: This course will enable the students to: - Assimilate the notions of limit of a sequence and convergence of a series of real numbers. - Calculate the limit and examine the continuity of a function at a point. - Understand the consequences of various mean value theorems for differentiable functions. - Sketch curves in Cartesian and polar coordinate systems. - Apply derivative tests in optimization problems appearing in social sciences, physical sciences, life sciences and a host of other disciplines.
		III	ALL	VECTOR ANALYSIS AND GEOMETRY After passing the course, the student shall be able to - Apply vector algebra and use the gradient of scalar field to solve elementary problems in physics - Carry out line, surface and volume integration as well as differentiation of scalar and vector fields - Interpret the divergence and the curl physically and apply these operators to carry out surface and line integration by means of Gauss and Stoke's theorems
2	B Sc 2 nd Year	I	All	ADVANCED CALCULUS Students are expected to be able to - Communicate mathematical results through the proper use of mathematical notation and words - Construct proofs involving sequences and limits - Construct proofs involving continuity - Construct proofs involving differentiation - Construct proofs involving the basics of integration

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3	B Sc 3 rd Year	II	ALL	Differential Equation After studying this course, you should be able to: • Recognize differential equations that can be solved by each of the three methods – direct integration, separation of variables and integrating factor method – and use the appropriate method to solve them • Use an initial condition to find a particular solution of a differential equation, given a general solution Check a solution of a differential equation in explicit or implicit form, by substituting it into the differential equation • Understand the terms ‘exponential growth/decay’, ‘proportionate growth rate’ and ‘doubling/halving time’ when applied to population models, and the terms exponential decay’, ‘decay constant’ and ‘half-life’ when applied to radioactivity • Solve problems involving exponential growth and decay.
		III	ALL	Mechanics This course will enable the students to: • Familiarize with subject matter, which has been the single centre, to which were drawn mathematicians, physicists, astronomers, and engineers together. Understand necessary conditions for the equilibrium of particles acted upon by various forces and learn the principle of virtual work for a system of coplanar forces acting on a rigid body. • Determine the centre of gravity of some materialistic systems and discuss the equilibrium of a uniform cable hanging freely under its own weight. Deal with the kinematics and kinetics of the rectilinear and planar motions of a particle including the constrained oscillatory motions of particles. • Learn that a particle moving under a central force describes a plane curve and know the Kepler’s laws of the planetary motions, which were deduced by him long before the mathematical theory given by Newton
		I	All	Real Analysis On successful completion of this course, students will be able to: • Describe the fundamental properties of the real numbers that underpin the formal development of real analysis; • Demonstrate an understanding of the theory of sequences and series, continuity, differentiation and integration; Demonstrate skills in constructing rigorous mathematical arguments; • Apply the theory in the course to solve a variety of problems at an appropriate level of difficulty; • Demonstrate skills in communicating mathematics.
		II	ALL	Abstract Algebra The student is able to • Demonstrate insight into abstract algebra with focus on axiomatic theories • Apply algebraic ways of thinking • Demonstrate knowledge and understanding of fundamental concepts including groups, subgroups, normal subgroups, homeomorphisms and isomorphism • Demonstrate knowledge and understanding of rings, fields and their

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			properties • Understand and prove fundamental results and solve algebraic problems using appropriate techniques
		III	ALL Discrete Mathematics: Upon completion of this course students should be able to do the following: • Discuss definitions and diagram strategies for potential proofs in logical sequential order without mathematical symbols (plain English). • Construct mathematical arguments using logical connectives and quantifiers. • Verify the correctness of an argument using symbolic logic and truth tables. • Construct proofs using direct proof, proof by contradiction, and proof by cases, or mathematical induction. • Solve problems using counting techniques and combinatory. • Perform operations on discrete structures such as sets, functions, relations or sequences. • Solve problems involving recurrence relations and generating functions. • Construct functions and apply counting techniques on sets in the context of discrete probability. • Apply algorithms and use definitions to solve problems to proof statements in elementary number theory.


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DEPARTMENT OF HINDI

PROGRAMME SPECIFIC AND COURSE OUTCOMES

कला संकाय के अंतर्गत हिन्दी साहित्य की पाठ्यक्रम की बड़ी भूमिका है। हिन्दी साहित्य के अध्ययन से विद्यार्थी साहित्य का विश्लेषण करना जानता हैं, तथा वह साहित्य के उद्देश्य से भी भली-भांति परिचित होता है। साहित्य और मानवीकी को भारतीय संदर्भों को सदैव सम्मान जनक दृष्टि से देखा गया और साहित्य विशेष रूप में कविता ने समाज को दिशा देना का काम किया है।

उपभोक्तावादी समाज ने सारा ध्यान तकनीक के विकास में लगाया, क्योंकि उसे लगा कि तकनीक ही जीवन का संरक्षण कर सकेगी। भावनात्मक संरक्षण के लिए साहित्य का होना अनिवार्य है। मशीनें भावनाओं का विकल्प नहीं हो सकती। न ही मूल्यों का पोषण उनसे संभव है। केवल साहित्य और मानवीकी के माध्यम से ही मनुष्य सामाजिक बनता है।

आज सूचना क्रांति का युग है किन्तु, सूचना का ज्ञान में बदलने का काम तकनीक नहीं कर सकती। यह कार्य तो साहित्य का है। साहित्य-मूल्य वास्तव में वे जीवन मूल्य हैं जो सामान्य मनुष्य के लिए आवश्यक है। संस्कृत, पाली, प्राकृत और अपभ्रंश की पूर्व पीठिका पर अवस्थित हिन्दी साहित्य ने गद्य तथा पद्य सहित अन्य कथेतर विधाओं में अपनी वैश्विक उपस्थिति दर्ज करायी है। इसी विशिष्टता के कारण विश्व की अन्य भाषाओं में हिन्दी साहित्य की प्रतिनिधि रचनाओं का निरंतर अनुवाद होता रहा है।

- विद्यार्थियों को संवेदनशील नागरिक बनाना।
- एक कुशल वक्ता का निर्माण करना।
- समाज एवं समुदाय के प्रति संवेदनशील दृष्टि का विकास करना।
- राष्ट्रीय चेतना का विकास करना।
- मानवीय मूल्यों के प्रति स्वस्थ दृष्टिकोण विकसित करना।
- साहित्य में राष्ट्र और राष्ट्रवाद के सही अर्थों को बताना।
- मूलभूत कौशल जैसे :- लेखन, श्रवण, और अभिव्यक्ति का विकास करना।
- स्थानीय से लेकर वैश्विक स्तर तक के विशिष्ट साहित्य से परिचित कराना।
- भाषा संबंधी कौशल का विकास करना।
- उच्चारण वर्तनी और लिपि का सही-सही ज्ञान कराना।
- समाज के विभिन्न समुदायों के प्रति सहिष्णुता की भावना का विकास करना।
- विभिन्न साहित्यिक विधाओं की जानकारी देना।


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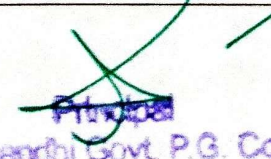
PROGRAMME OUTCOMES

- साहित्य संप्रेषण के आधार बिन्दुओं की जानकारी देना ताकि साहित्य के संबंध में एक स्पष्ट समझ विकसित हो सके।
- हिन्दी साहित्य एवं भाषा का व्यवस्थित और तर्क संगत ज्ञान कराना ताकि उसके सैद्धांतिक पक्ष साहित्यिक विकास के संबंध में पर्याप्त जानकारी मिल सके।
- साहित्य की विभिन्न विधाओं को पढ़ने और समझने की योग्यता का विकास करना।
- साहित्य लेखन की विविध शैली और समीक्षात्मक दृष्टि का विकास करना।
- स्थानीय, राष्ट्रीय और वैश्विक सांस्कृतिकता के वृहद संजाल के बारे में जानकारी देना ताकि विद्यार्थी में साहित्यिक मूल्यांकन की योग्यता विकसित हो सके।
- समीक्ष्य दृष्टि और व्यवस्थित वैचारिकी का प्रदर्शन करना जिससे की हिन्दी साहित्य के अध्ययन के प्रति जिज्ञासा और प्रश्न उत्पन्न हो सके।
- आधुनिक संदर्भों में तकनीकी संसाधनों को उपयोग करते हुए हिन्दी साहित्य की जानकारी देना।
- प्रत्येक स्तर पर जीवन मूल्यों और साहित्यिक मूल्यों का निर्धारण करने की क्षमता और ज्ञान का विकास करना।
- विद्यार्थी में लेखन, वाचन और श्रवण के साथ-साथ कल्पनाशक्ति का विकास करना जिससे कि उसके समग्र व्यक्तित्व में निखार आ सके।
- साहित्य के अध्ययन के बाद रोजगार के विभिन्न क्षेत्रों की पहचान करते हुए रोजगार के नये मार्ग तलाशना।
- वर्तमान युग सूचना क्रांति का युग है जिसमें अभिव्यक्ति की प्रधानता है ऐसे में तकनीकी के विकास में साहित्य संचरण को अत्यंत सुगम बना दिया है। इसी के परिप्रेक्ष्य में हिन्दी साहित्य लेखन और अनुवाद का मंच प्रदान करना जिसका उपयोग कर जन-संचार से लेकर व्यक्तित्व विकास तक में विद्यार्थी निष्णात हो सके। विद्यार्थी की रुचियों को एक व्यवस्थित रूप देना और उन्हें विभिन्न विधाओं में से चयन की स्वतंत्रता प्रदान करना ताकि वे स्नातक कार्यक्रम के पूर्ण होने के बाद स्वयं ही साहित्य के विभिन्न क्षेत्रों में अपनी रुचि के अनुसार चयन कर सके।
- भारत के साहित्यिक, सांस्कृतिक और भाषायी विविधता को जानने के प्रति जागरूकता पैदा करना भी हिन्दी साहित्य के अध्ययन का प्रमुख उद्देश्य है।

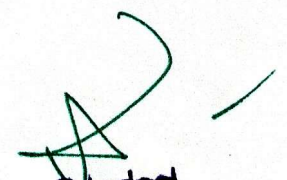

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COURSE OUTCOMES

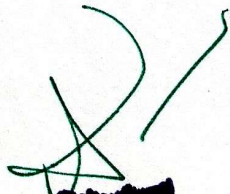
COURSE	TITLES OF THE PAPER	COURSE OUTCOME
B.A. - I हिन्दी साहित्य	Paper - I प्राचीन हिन्दी काव्य	- विद्यार्थी प्राचीन काल से लेकर मध्यकाल के पूर्वाध तक के सामाजिक, सांस्कृतिक तथा राजनीतिक तथ्यों का ज्ञान प्राप्त कर सकेंगे। - हिन्दी साहित्य के प्रारंभिक और विकासात्मक स्वरूप से परिचित हो सकेंगे। - इस काल के साहित्यकारों और उनकी रचनाओं के बारे में जान सकेंगे। - हिन्दी के भावगत, भाषागत और शैलीगत विकास से परिचित हो सकेंगे। - इससे सृजन के काव्य रूप का ज्ञान प्राप्त होगा।
	Paper - II हिन्दी कथा साहित्य	- विद्यार्थी संपूर्ण मानव जगत की मानवीयता से परिचित होंगे। - विद्यार्थियों को जीवन की वास्तविकता से परिचित करायेगा। - रचनात्मक और सृजन धर्म का विकास होगा। - विभिन्न संदर्भों और घटनाओं से विद्यार्थियों को जीवन में गतिशील रहने की प्रेरणा मिलेगी। - विद्यार्थियों को गंभीर भावबोध को समझाने का अवसर मिलेगा।
B.A. - II हिन्दी साहित्य	Paper - I अर्वाचीन हिन्दी काव्य	- छायावाद युग की सामाजिक, सांस्कृतिक, आर्थिक एवं राजनैतिक परिस्थितियों एवं विसंगतियों से उपजे काव्यान्दोलनों से परिचित हो सकेंगे। - प्रगतिशील चेतना का वैचारिक आधार और अभिप्राय स्पष्ट रूप से जान सकेंगे। - लोकजीवन तथा प्रकृति से कविता के सराकार को रेखांकित कर सकेंगे। - प्रयोगवादी काव्य की रचनात्मक प्राथमिकताओं, भावबोध और भाषा को समझ सकेंगे। - समकालीन कविता के युगबोध को वस्तुगत सामाजिक आर्थिक परिप्रेक्ष्य सहित समझ सकेंगे।


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	Paper - II हिन्दी निबंध एवं अन्य गद्य विधाएँ	• अन्य गद्य विधाओं का ज्ञान प्राप्त होगा। विभिन्न हिन्दी की कथेतर विधाओं के स्वरूप का ज्ञान होगा। • युगीन संदर्भों के आलोक में कथेतर गद्य विधाओं को जान सकेंगे। • गंभीर भावचिंतन, हास्य और मनोरंजन से जुड़कर लाभान्वित होंगे। • युगीन विभिन्न चुनौतियों का ज्ञान प्राप्त होगा। • युगीन राजनैतिक, सामाजिक, सांस्कृतिक एवं आर्थिक परिवेश का ज्ञान प्राप्त हो सकेगा।
	Paper - I जनपदीय भाषा—साहित्य (छत्तीसगढ़ी)	• छत्तीसगढ़ी भाषा के विभिन्न बोलियों से परिचित हो सकेंगे। • समाज के साथ सकारात्मक संवाद स्थापित करने की दिशा में प्रवृत्त हो सकेंगे। • छत्तीसगढ़ी भाषा के ध्वनि, शब्द, वाक्य आदि से परिचित हो सकेंगे।
B.A. - III हिन्दी साहित्य	Paper - II हिन्दी भाषा साहित्य का इतिहास तथा काव्यांग विवेचन	• हिन्दी भाषा के स्वरूप और महत्व का ज्ञान प्राप्त होगा। • हिन्दी भाषा के विविध बोलियों से परिचित हो सकेंगे। • हिन्दी के अर्थ-विकास की जानकारी प्राप्त हो सकेगी। • वैज्ञानिक लिपि नागरी का अपेक्षित ज्ञान प्राप्त होगा। • भारतीय काव्यशास्त्रों की परंपरा से परिचित हो सकेंगे। • काव्य के महत्वपूर्ण उपादानों से परिचित हो सकेंगे। • साहित्य को समझने की दृष्टि विकसित हो सकेगी।


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COURSE	TITLES OF THE PAPER	COURSE OUTCOME
B.A. - I आधार पाठ्यक्रम	Paper - I हिन्दी भाषा	• हिन्दी भाषा के स्वरूप और महत्व का ज्ञान प्राप्त होगा। • उपयुक्त शब्दावली और सही शब्दरूपों का निर्माण करने में सक्षम होगा। • व्याकरणिक संरचनाओं का सटीक उपयोग करने में सक्षम होगा। • अपनी शब्दावली का विस्तार करने और भाषा की सराहना विकसित करने में सक्षम होगा। • रिपोर्ट या विचार विस्तार लिखने में सक्षम होगा। • जानकारी को सारांशित और व्याख्या करने में सक्षम होगा।
B.A. - II आधार पाठ्यक्रम	Paper - I हिन्दी भाषा	• मीडिया के विविध रूपों से परिचित होने पर मीडिया के क्षेत्र पर रोजगार के नये अवसर तलाश सकेंगे। • हिन्दी भाषा और उसके विविध रूपों की जानकारी प्राप्त कर छात्र राजभाषा हिन्दी के संवर्द्धन में महत्वपूर्ण भूमिका निभा सकेंगे। • व्याकरणिक ज्ञान समृद्ध होगा। • अनुवाद कार्य की समझ और अनुवाद कार्य करने की क्षमता विकसित हो सकेगी।
B.A. - III आधार पाठ्यक्रम	Paper - I हिन्दी भाषा	• विद्यार्थियों में संवाद रचना कौशल का विकास होगा। • अनुवाद कार्य की समझ और अनुवाद कार्य करने की क्षमता विकसित हो सकेगी। • पत्र लेखन का ज्ञान प्राप्त होगा। • कविता, कहानी का दृश्य रूपान्तरण करने की कला का ज्ञान होगा।


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Geography

Program outcome (POs)/ program specific outcome (POs)/ course outcome of geography

A. Program outcome (POs)

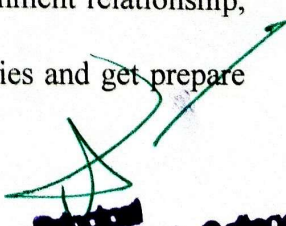
Program outcome States about the knowledge, skills and attitudes a graduate learns for a particular program and the competencies and expertise a graduate student will possess after the completion of this program

Keeping the above objectives Geography is taught in our college at undergraduate level. After completion this program following POs will be possessed by a student of this program:-

- students will be enriched with the basic concept of geography,
- learn the variable characteristic of earth surface,
- know the physiological and cultural landscapes characteristic
- could better understand Man and environment interrelationship
- After completion this program students will be able to find out the ways of interaction, limit of action and ethical practices over earth surface
- Natural calamities causes and remedies
- Limit of available resources on earth surface and their conservation
- Methodology, Tools and techniques and its usability in a specific Physio -bio environment.
- Comparative analysis of man and environment relationship and its consequences etc.

Program specific outcome (Pso)

After the knowledge of the subject the undergraduate students of Geography will be able to technically and scientifically analyze the characteristics of Earth, physiological and structural properties of the earth, available nonliving and living resources, interrelationship of earth surface and human, consequences of interaction and resultant landscape, man environment relationship, after undergraduate students will become enthusiastic for further higher studies and get prepare


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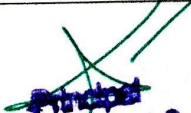
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oneself for specific job opportunities in various field of Earth science and natural sciences such as soil conservation, water resources conservation and management , field surveyor, GIS analyst, agriculture sector jobs, hydrology and meteorology specific study, Urban and rural planning , emergency services management, Park Rangers and ecologist extra.

Course outcomes (COs)

In the Course outcome students are expected to learn the following out comes in Geography UG classes:-

S. No	Class	Paper name and no.	Unit	Outcome
1	B A Part One	Physical Geography Paper: I	ALL	After studying this course, a student can learn and understand the basics of Physical Geography and the characteristics of major features on the earth, origin, age, movements of earth, tectonic activities and related consequences, rocks properties, weathering, fluvial, glacial, karsts, arid and coastal topographies, elements of weather and climate, climatic classification, composition and structure of the atmosphere, atmospheric temperature, pressure and wind types. Surface relief of pacific, Atlantic and Indian ocean, salinity, temperature, and currents of oceans,tides ocean depositsand oceanic resources.
		Human Geography Paper:II	ALL	After studying this course, a student can learn and understand Human and environment relationship ,dimensions of man environment relationship and its come outs, Human development Index, Human race classification and its characteristics, human adaptations to environment i.e. Eskimo, Pigmy, Gond , Masai and Naga, density of world population and factors influencing spatial distribution, over, under, optimum population. Settlement pattern urban and rural houses in India and regional pattern of settlement.Global warming, climate change, deforestation, Desertification air and water pollution.
		Practical	ALL	After completing this course work students


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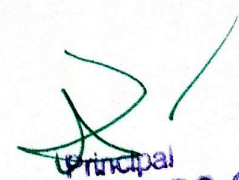
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		Geography Paper: III		could learn various types of Scale and its properties, Representation of different relief by contours, data analysis and representation techniques by graphs and diagrams. Field survey by Chain and Tap's various methods.
2	B A Part Two	Economic & Resource Geography Paper: I	ALL	After studying this course, student will be able to learn and understand the approaches to economic geography study, concept and classification of resources, forests ,soil and water resources ,mineral resources, energy resources, conservation of resources, Agriculture regions of the world, Theory of industrial location, different types of industries ,its growth and obstacles, world's measure transportation means and networks ,major trade blocks, effects of globalization on developing countries, sustainable development policies.
		Geography of India Paper: II	ALL	After studying this course, student will be able to learn and understand the Physical features of India, Natural Resources its properties, potentials, distributions, classification in India. Cultural features of India i.e agriculture crops, population characteristics, impact of green revolution and its impact, Industrial localization, development & production of various industries, Foreign trade and industrial regions ,Geographical accounts of Kashmir Valley, Chhotanagpur Plateau, Thar Desert and Island of India.
		Practical Geography Paper: III	ALL	After studying this course, student will be able to learn and understand the Map Interpretation, Map projections and Statistical Methods, Weather map analysis, Prismatic compass Survey .

S. No	Class	Paper	Unit	Outcome
3	B A Part Three	Resources & Environment Paper: I	ALL	After studying this course, student will be able to learn and understand the Nature and components of Resource & Environment ,Renewable and non-renewable Biotic and Abiotic resources, distribution and utilization of Mineral & Energy resources, Conservation of Environment & Resources, Population Pressure and resource utilization, Man –environment inter relationship, emerging environmental issues, Conservation of biodiversity and sustainable resource

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	Geography of India with special Reference to Chhattisgarh Paper : II	ALL	After studying this course, student will be able to learn and understand the Physical features of India, Drainage system, Climate origin & mechanism, Natural resources, Water resources, Cultural features i.e. major crops non-conventional & conventional sources of energy, agricultural regions of India, Industries of India, Population Characteristics of India .The students also learns The Physical, cultural, economic and social significances of Chhattisgarh.
	Geography Practical Paper : III	ALL	After studying this course, student will be able to learn and understand the representation of various data through Bandgraph ,Hythergraph, climograph, also learns the construction of Square root and cube-root, learns interpretation of toposheets, Plane table survey Methodology, Field Survey with reference to socio-economic survey of any micro region .


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Department of Botany

Programme outcome:

Botany is a broad discipline involved with various diverse fields in the study of plants. Students graduating with B.Sc. degree with Botany as one of their optional subjects develop an understanding of the range of plant diversity in terms of structure, function and environmental relationships. The programme helps to develop a scientific temperament which can be beneficial for the society as the scientific development can help in growth at a rapid pace. After completing the course students can have a variety of options to proceed, as they can pursue higher education or can opt for civil services, they can serve in industry or may opt for establishing their own industrial unit.

Programme specific outcome:

Botany covers a wide range of scientific disciplines concerned with the study of plants (lower and higher), including structure, growth, reproduction, metabolism, development, diseases, chemical properties and evolutionary relationships among taxonomic groups. After acquiring knowledge of diverse fields related to plants, students will be able to identify major groups of plants and compare the characteristics of lower and higher plants. The students will be able to explain various plant processes and functions, metabolism at the cell, tissue and organ level. They will be able to understand adaptation, development and behavior of different forms of life. Students will also be able to demonstrate the experimental techniques pertaining to the study of plants.

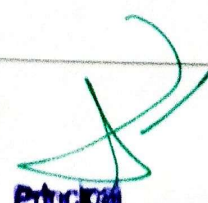
Course Outcome:

The course structure is designed to provide the students a thorough understanding of plant science and allow them to develop an aptitude towards science and nature. At the same time sensitize the students towards environment conservation.

	Paper I Bacteria, Virus, fungi, Lichens and Algae	To get knowledge about the microbes and thallophytes. To learn to analyze the basic concepts, methods, scopes, classifications, characterization, diseases and economic importance of micro- organisms like Virus, Bacteria, Mycoplasma, Cyanobacteria. To understand the structure and reproduction of certain selected Algae and Fungi. And also their economic importance. To understand the symbiotic association in the form of
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B.Sc. I		lichen and their economic importance.
	Paper II Bryophytes, Pteridophytes, Gymnosperms and Paleobotany	To learn about the morphology, anatomy and reproduction of a few species of Bryophyta, Pteridophyta and Gymnosperms. To learn about the plant evolution and their transition to land habitat. To learn about the fossil forms.
B.Sc. II	Paper I Plant Taxonomy, Economic Botany, Plant Anatomy and Embryology	To comprehend the concepts of plant taxonomy and classification of Angiosperms. To understand various Angiosperm plant habits, their vegetative and reproductive structural features and various modifications of plant parts. To learn about various Angiosperm families and their economic importance. To impart an insight into the internal structure and reproduction of plants. To explore the intimate relationship between plants and our lives.
	Paper II Ecology and Plant Physiology	To develop a critical understanding of the basic principles of plant metabolism like photosynthesis, respiration etc. To gain knowledge about the various mechanisms involved in uptake and transport in plants. To understand the basic concepts of ecology and conservation. To learn about the structural adaptations in plants growing in different environments.
B.Sc. III	Paper I Analytical Technology, Plant Pathology, Experimental Embryology, Elementary Biostatistics, Environmental Pollution and Conservation	To study various techniques used in study of plants. To understand the scope and importance of plant pathology. To understand the concept of tissue culture and To comprehend the basic concepts of biostatistics. To understand different causes of pollution and their remedies.
	Paper II Genetics, Molecular Biology, Biotechnology and Biochemistry	To have a conceptual understanding of Cell and cell organelles, chromosomes, the laws of inheritance, genes. To understand the structure and functions of Nucleic acids. To develop concepts, tools and technique related to plant transformations. Basic principle and applications of Recombinant DNA technology. To understand the structure and properties of biomolecules.


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Department of Industrial Microbiology

Program outcome (POs):

- Student after studying the program will be having knowledge of industrially important microbes and their application in day to day life with special reference to concept of microbial food spoilage, environmental sustainability and industry.
- Student will be equipped with the knowledge of basic instrumentation used in microbiological laboratory and to handle microbes.
- Students will also learn various techniques with respect to isolation, characterization and identification of microbes using microbiological and molecular approach.

Program specific outcome (Pso):

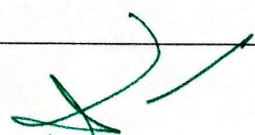
- On successfully completing the program, students will be able to demonstrate a knowledge and better understanding of application of novel microbial strains to be utilized in agriculture, waste management system, pharmaceuticals, and food industries.
- The practical knowledge of Industrial Microbiology acquaints students with identification of a research topic; analyze complex problems in the production of industrially important products and its execution. The students will be motivated to utilize the skills towards further research in their area of interest.

Course Outcome

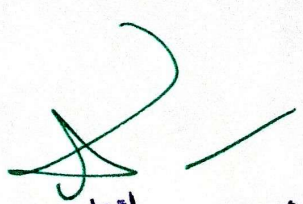
Course	Title of the Paper	Course Outcome
B.Sc-I Industrial Microbiology	Paper-I: General Microbiology, Tools and Techniques	• Is able to describe tools for studying microbial growth and its structure. • Will be able to explain the general characteristics and structural components of various group of microorganisms such as bacteria, fungi, actinomycetes, viruses etc. • Will have gathered concept of development of Industrial Microbiology and what is the scope of the various domains of the subject.
	Paper II- Molecular Biology, Biochemistry and Microbial Genetics	• The basic principle of biochemistry including important molecules their economic and scientific importance inside the cell.


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		• Is able to describe steps in replication of DNA and protein synthesis. • The students will be able to understand the biochemical pathways of synthesis; degradation of various molecules and the transport of different metabolites generated with application in industrial processes. • Will have gathered detailed information regarding genetics of bacteria and its expression system. • The students will be able to understand the basic concepts of enzyme biochemistry, its kinetics and regulation.
B.Sc-II Industrial Microbiology	Paper-I: Environmental Microbiology and Biostatistics	• Learn basics of probability and biostatistics. • Will be able to describe the role of soil microbes in nutrient transformation and different population interaction mechanism. • Students will be able to describe the importance of microbes in solid and liquid waste management, gaining knowledge of a variety of methods employed in sewage treatment. • Gather an understanding of concept of environment in relation to microbes. • Will have an overview of the developments in the field of environmental microbiology with special reference to role of microbes in mitigating environment pollution.
	Paper-II: Microbial Physiology and Immunobiotechnology	• Students gain knowledge of different transport systems and simultaneously learning membrane characteristics. • Learn metabolic pathways for carbon metabolism in prokaryotic and eukaryotic systems and their regulation in diverse physiological conditions. • Will be able to understand the fundamental bases of immune system and immune response


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		Gather an understanding of applications of microbes of extreme environment; economic importance of methylotrophs and sulphur utilizing bacteria
B.Sc-III Industrial Microbiology	Paper-I: Agriculture and Food Microbiology	- Gains knowledge on food preservation techniques. - Understands the food spoilage mechanisms and relevance of microbial standards for food safety. - Will have acquired knowledge of microbial diseases of crop plants and their control. - Will have attained knowledge about soil fertility and management of agricultural soil.
	Paper-II: Fermentation Technology and Government Regulations	- Will learn about various industrially relevant microbial products and their production process, - Acquires knowledge about strains development and various fermentation techniques. - Attains knowledge about industrially important microbes with special reference to dairy industry and types of cultivation strategies. - Learn about various Government programs for development of biotechnology and patenting of the products in Industries.


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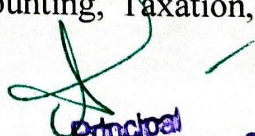
M.COM (REGULAR)

Program Outcome

- To provide a systematic and rigorous learning and exposure to Banking, Accounts and Finance related disciplines.
- To train the student to develop conceptual, applied and research skills as well as competencies required for effective problem solving and right decision making in routine and special activities relevant to financial management and Banking Transactions of a business.
- To acquaint a student with conventional as well as contemporary areas in the discipline of Commerce.
- To enable a student well versed in national as well as international trends.
- To facilitate the students for conducting business, accounting and auditing practices, role of regulatory bodies in corporate and financial sectors nature of various financial instruments.
- To provide in-depth understanding of all core areas specifically Advanced Accounting, International Accounting, Management, Security Market Operations and Business Environment, Research Methodology and Tax planning.

Program Specific Outcome

- After Completing Masters in Commerce students are able to
- Develop an ability to apply knowledge acquired in problem solving.
- Ability to work in teams with enhanced interpersonal skills and communication.
- The students can work in different domains like Accounting, Taxation, HRM, Banking and Administration.
- Ability to start their own business.


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- Ability to work in MNCs as well as private and public companies.
- To develop team work, leadership and managerial and administrative skills.
- Students can go further for professional courses like CA/ CS/CMA/CFA

Course Outcomes

M.COM (SEM I) AND (SEM II)

Semester I

1. Managerial Economics

- Develop an understanding of the applications of managerial economics.
- Interpret regression analysis and discuss why it's employed in decision-making.
- Discuss optimization and utility including consumer behavior.
- Assess the relationships between short-run and long-run costs.

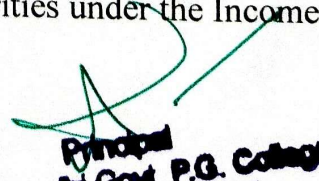
2. Advanced Accounting

- To impart knowledge of a theoretical foundation for the preparation and presentation of financial statements
- To inculcate the understanding of rules of measurement and reporting relating to various types of business entities.

3. Income Tax Law and Accounts

The student will be versed in the fundamental concepts of different aspects of income tax.

- The students can understand Income Tax system properly, and can get the knowledge of different tax provisions.
- To give knowledge about Submission of Income Tax Return, Advance Tax, and Tax deducted at Source, Tax Collection Authorities under the Income Tax Act, 1961.


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4. Statistical Analysis

- Distinguish types of studies and their limitations and strengths,
- Describe a data set including both categorical and quantitative variables to support or refute a statement,
- Apply laws of probability to concrete problems,
- Perform statistical inference in several circumstances and interpret the results in an applied context,
- Use mathematical tools, including, to study probability and mathematical statistics and in the description and development of statistical procedures.

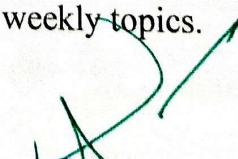
5. Corporate legal Framework

- This course is designed to provided the student with knowledge of Indian Legislation and demonstrate an understanding of the legal environment of business in India.
- On completion of this course, learners will be able to communicate effectively using standard business and legal terminology. -
- Students will acquire problem solving techniques and to be able to present coherent, concise legal argument.

Semester II

6. Business Economics

- Analyze perfectly competitive markets including substitution.
- Explain uniform pricing and how it relates to price discrimination and total revenue.
- Analyze a chosen company to include the above, but to further make recommendations for the company based upon the weekly topics.


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7. Specialized Accounting

- To inculcate the competency to the students to solve problems relating Special areas in accounting including accounting for Services Sector.
- To understand the Financial Reporting Practices.
- To aware the student with procedure of accounting for Taxation.

8. Tax Planning & Management

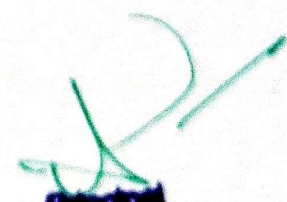
- To provide understanding of Direct Taxes and to learn the rules and their application s to different business situation.
- To make aware about the principles underlying the Service Tax

9. Advanced Statistics

- Use a statistical package for computations with data,
- Use a statistics for the purpose of simulation in probability and statistical inference, and
- Communicate concepts in probability and statistics using both technical and nontechnical language.

10. Business Law

- The Course will enhance the basic legal knowledge to business transactions and its enforceability in the court of law.
- It will help students to understand the legal structure of Business Law, its dealing and management international business organizations in India.


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DEPARTMENT OF HOME SCIENCE

PROGRAM OUTCOMES

- ☆ All Programmes offer various relevant skill oriented courses .
- ☆ The course focuses on skill development innovation and capacity building.
- ☆ Courses aim at making the students self-reliant with necessary proficiencies for a wide variety of career with entrepreneurial skills and placement.
- ☆ Specialized courses are in sync with industry academic needs national and global issues and challenger.
- ☆ Practical Training/exposure through internship Files, Visit, Project work, Expert Lectures, Demonstration workshops and seminars gives hands experience to students .
- ☆ Students are sensitized towards challenges and solutions for societal development from grass root level, ie, home.
- ☆ Continuous innovations evolved through scientific under graduate programs empower women and family with solution to deal with every day challenger.

PROGRAMME SPECIFIC OUTCOMES

- ☆ Understood the concepts of different areas of Home Science.
- ☆ Produced Knowledgeable and skilled human resources and Textile Industries.
- ☆ Compare handed the current Techniques in food and Nutrition and Textile science
- ☆ Produced entrepreneurs who developed customized solutions for small and medium Enterpriser.

COURSE - 1

FUNDAMENTAL OF FOOD AND NUTRITION

- ☆ The course will enable the student to understand the functions of food and the role of various nutrients.
- ☆ Identify and relate the underlying biological, Chemical and regulatory role of nutrients.
- ☆ To aware about nutrient deficiencies to help the students acquire knowledge of chemistry which is essential to understand the nutrition courses.

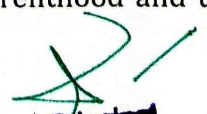
COURSE - 2

INTRODUCTION TO RESOURCE MANAGEMENT, ECOLOGY AND ENVIRONMENT

- ☆ The students offer completely this course will be able to generate consciousness and management plans for natural resources, Physical Environment and its components.
- ☆ The students after completely this course will be able to draw sustainable solutions for ecological issues and reducing impact of human

ACTIVITIES ON THE ENVIRONMENT

- ☆ To get familiar with the concept of marriage and planned parenthood and the areas of adjustment within the family.
- ☆ To become aware of problems in family and way to coping


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COURSE - 3

INTRODUCTION TO TEXTILES AND CLOTHING

- ☆ The students after completing this course will be able to make fabric choices, construction clothing and predict textile performance.
- ☆ To inculcate the industry based knowledge of deferent weaves.
- ☆ The students will develop skills in clothing construction.
- ☆ The students will become acquainted with knowledge on deferent textiles finishes.

COURSE - 4

INTRODUCTION TO HUMAN DEVELOPMENT AND FAMILY DYNAMICS

- ☆ The students after completing this course will be able to plan and predict individuals social and cultural development roles and relationship under Indian marriages and marital accords.
- ☆ The students after completing this course will be able to acquire knowledge and insights about the dynamics of contemporary marriage and family systems in India
- ☆ The students will become acquainted with the concept goals and areas of adjustment relationship within the family.
- ☆ The students will understand the dynamics of families in distress and crisis.
- ☆ The students will understand social and cross culture contacts in human developments
- ☆ The students will understand human development concepts dimensions and interrelations.
- ☆ The students will understand the interventims in the field of human development.

COURSE - 5

COMMUNITY DEVELOPMENT PERSPECTIVE AND APPROACHES SOCIO ECONOMIC ANALYSIS OF COMMUNITIES

- ☆ The students after completing this course will be able to plan and improve community development and individuals role in community development.
- ☆ The students after completing this course will be able to predict the role of non Government.
- ☆ The students will become acquainted with the approaches to development.
- ☆ The students will understand the rolw of non Govt. organization in community development.
- ☆ The students will understand the sacio-economic structures and systems that make up the rural and urban communities.
- ☆ The students will understand our role in the development process.


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COURSE - 6

PERSONAL EMPOWERMENT AND COMPUTER BASICS

- ☆ The students will know the basics of computers and become enabled to use computer for education information and research.
- ☆ The students after completing this course will be able to make self improvements for personal/professional/women empowerment and life quality improvement.
- ☆ The student will become aware of the need competencies and skills to be developed for empowerment and be motivated for self improvement/self-enhancement.
- ☆ The student will become aware of the role of empowerment of women from the prospective of personal and national development.
- ☆ The student will become aware of the interdisciplinary of Home Science Education and its potential for personal and provisional enhancement.
- ☆ The student will become sensitized to some pertinent contemporary issues that affect the quality of life of individual families and community.

COURSE - 7

NUTRITIONAL MANAGEMENT IN HEALTH AND DISEASES.

- ☆ The Students after completing this course will be able to conceptualize an adequate diet and the importance of meal planning.
- ☆ The students after completing this course will be able to identify the factors affecting the nutrient needs during a life cycle and the RDA for various age group.
- ☆ The students after completing this course will be able to perform dietary management for common ailments.

COURSE - 8

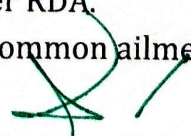
TEXTILE AND LAUNDRY SCIENCE

- ☆ The Students after completing this course will be able to make fabric choices construct clothing and predict Textile Performance.
- ☆ The student after completing this course will be able to improve Textile Finishing Textile designing of various embroideries.

COURSE - 9

COMMUNITY NUTRITION AND APPLIED LIFE SCIENCES.

- ☆ The students after completing this course will be able to plan improvements in cooking and preservation methods and nutritional qualities of various food and food stuffs.
- ☆ The Students will be able to plan balanced diets and meals as per RDA.
- ☆ The students will be able to carry out dietary management for common ailments.


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COURSE - 10

LIFE SPAN DEVELOPMENT METHOD AND MATERIAL FOR YOUNG CHILDREN

- ☆ The students after completing this course will become acquainted with development stages from birth to old age.
- ☆ The students after completing this course will be able to develop awareness of important aspects of development during the whole life span.
- ☆ The students after completing this course will be able to realize the requirements of infant and toddlers and develop skill to create play material and designing learning experience.

COURSE - 11

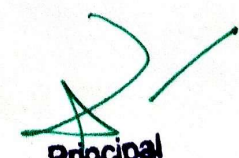
COMMUNICATION PROCESS IN DEVELOPMENT

- ☆ The students after completing this course will be able to ascertain the process of communication in development work
- ☆ The students after completing this course will be able to develop skills in the use of communication method and media.
- ☆ The students will become responsible and sensitive to the interests and needs of the people and the power of the media and communication methods in catering to these needs and interests.

COURSE - 12

CONSUMER ECONOMICS

- ☆ The Students after completing this course will be able to identify and deduce consumption Economics.
- ☆ The Students after completing this course will be able to understand the measurement of living standards.
- ☆ The students after completing this course will be able to understand the measurement of consumer income.
- ☆ The students after completing this course will be able to identify this consumer market.
- ☆ The students after completing this course will be able to identify and measure adult rationing.
- ☆ The students after completing this course will be able to identify and deduce consumer problems and consumer protection work


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COURSE - 13

FOOD PRESERVATION

- ☆ The Students after completing this course will be able to understand about food and its preservation Home and Community level including commercial operation.
- ☆ The students after completing this course will be able to understand about fresh food storage, Principle plant Product storage Anila Products Storage effect of storage condition an quality canning principles and methodology influence of canning on food quality storage of canned foods.
- ☆ The students after completing this course will be able to understand about pasteurization and storage of pasteurized foods.
- ☆ The students after completing this course will be able to understand about use of low temperature refrigeration and freezing methods, Principles and applications, Preparation of foods for freezing influence of low temperature on food components and structure shelf life on frozen foods.
- ☆ The students after completing this course will be able to understand about pickling Pickles, Chutneys, Ketchups, Sauces and Fermentation Types products methods uses.
- ☆ The students after completing this course will be able to understand about establishment of a small scale Industry/Cottage Industry.
- ☆ The students after competing this courses will be understanding about chemical preservatives preparation of Fruit-Juices, Squashes, Syrups, Jam, Jelly.
- ☆ The Students after completing this course will be able to understand about high acid and high sugar products. common detects, preservation of crystallized and glazed fruits.
- ☆ The students after completing this course will be able to understand about nutritional implication of food processing courses for loss of vitamin and minerals Enrichment, restoration for fortification


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COURSE - 14

NUTRITIONAL BIOCHEMISTRY

- ☆ The students after completing this course will be able to understand nutritional Biochemistry its definition, objectives. Scope and interrelationship between Biochemistry and other Biological Science.
- ☆ The Students after completing this course will be able to understand about carbohydrates its definitions classification functions and properties of monosaccharide's, Glucose, Fructose, Galactose, Disaccharides, Maltose, Lactose Sucrose, Polysaccharides - Dextrin, Starch, Glycogen.
- ☆ The students after completing the course will be able to understand about lipids its definition, Composition, Importance and classifications and also about fatty acids its functions properties and significance of acid value Iodine value saponification a= value and also chemistry and function of Phospholipids, Cycolipids and Lipid metabolism Beta Oxidation.
- ☆ The students after completing this course will be able to understand about proteins its definition composition, Function and classification and also about Amino Acid - Essential and Non essential and Protein Metabolism- Urea Cycle, Nitrogen balance and Amino Acid Pool.
- ☆ The students after completing this course will be able to understand about enzymes its definition properties classification mode of action of enzymes factor affecting velocity of enzyme catalyzed reactions coenzymes.
- ☆ The students after completing this course will be able to understand about hormones especially Biological roles of hormones of pituitary adrenal cortex and medulla thyroid parathyroid pancreas sex glands and also know about urine formation and composition.
- ☆ The students after completing this course will be able to understand about Energy its definition unit calorimeter, Caloric Value of Foods BMR RQ SDA of Foods.
- ☆ The students after completing this course will be able to understand about nucleic Acid and Nucleoproteins Chemistry Composition, Structure and Functions.


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COURSE -15

EARLY CHILDHOOD EDUCATION

- ☆ The Student after completing this course will be able to understand the importance of early childhood care and significance of intervention programmes for early child development.
- ☆ The students after completing this course will be able to understand the major theoretical approaches and implication for early child development.
- ☆ The students after completing this course will become acquainted with current policies and programs in ECCE.
- ☆ The students after completing this course will be able to understand the meaning of curriculum and various components to be included in the daily porogrammes to promote all round development of children.
- ☆ The students after completing this course will be able to recognize the role of play in children's development.
- ☆ The students after completing this course will be able to understand the goals, principles, factors and approaches used in programme planning.
- ☆ The students after completing this course will be able to recognize the advantages of project method and learn to use integrated approach in the development of daily programme.

COURSE -16

EXTENSION EDUCATION

- ☆ The students after completing this course will be able to recognize the Concept of Education.
- ☆ The students after completing this course will be able to understand the Meaning of Extension Education, Origin of Extension Education and Extension Education Process.
- ☆ The students competing this course will be able to recognize the Environment for learning.
- ☆ The students after completing this course will be able to recognize the role of educator, role of the people participants and Communication Process.


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COURSE - 17

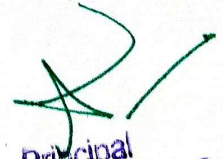
FOUNDATION OF ART & DESIGN

- ☆ The students after completing this course will be able to understand the foundation of Art & Design, Definition and types : Structural and Decorative.
- ☆ The students after completing this course will be able to recognize the Elements of Design : Line, Size, Form, Structure, Space, Pattern, Shape, Light - Characteristics and classification, Study of Colour Classification, Dimensions, Colour Schemes and Effect.
- ☆ The students after completing this course will be able to understand the Principles of design definition and their characteristics and types : Balance, Harmony, Scale, Proportion, Rhythm and Emphasis.
- ☆ The students after completing this course will be able to recognize Indian, Regional, Traditional and contemporary arts and their uses.

COURSE - 18

APPAREL MAKING AND FASHION DESIGNING

- ☆ The students after completing this course will be able to understand the importance of clothing and Sociological and Psychological aspects of clothing.
- ☆ The students after completing this course will be able to recognize the Fabrics to be considered while selecting of fabric for different garment, Estimation of material required for different garments (Cloth Estimation), Study of fabric finishes - Meaning objective facilities, General and special.
- ☆ The students after completing this course will be able to understand the Fashion Trends in India and its changes from time to time : Fashion Theories - Body measurements - Tailoring tools and Equipments - Methods of taking body measurements - For different garments - importance - Pattern making techniques - Flat Pattern - Drafting - Draping and Fashion Illustration.
- ☆ The students after completing this course will be able to understand the Fundamentals of Embroidery - Techniques, Design Colour, uses of different combination- threads : embroidery stick- Types - Types of threads, needles used for different fabrics.
- ☆ The students after completing this course will be able to recognize the traditional Embroideries of India : Kasida of Kashmiri, Kantha of Bengal, Chichenkari of Lucknow, Kutch and Kathiawar, Kasuti of Karnataka, Phulkari of Punjab, Gold and Silver (Zari Work) of Banaras.


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Program outcome (PO)

The various objectives of three year graduation program in Chemistry are as follows:

1. To strengthen basic and advanced concepts of different disciplines in Chemistry viz. Inorganic, organic and Physical.
2. To analyze inorganic and organic compounds qualitatively and quantitatively in the laboratory.
3. To make the subject more applicable in their day to day life.
4. To motivate the students to use their knowledge and skills for the betterment of society.
5. To encourage the students to protect the environment.

Program specific outcome (PSO)

1. To develop the concept of classroom and laboratory behaviour so as to handle chemicals and instrumental in a proper manner.
2. To inbuilt and promote the observation power and logical thinking.
3. To make students aware of the importance and scope of Chemistry in various dimensions including basic and applied fields.

Course Outcomes (COs)

Class	Paper Name	Outcome
B Sc I	Paper I Inorganic Chemistry	This paper explains atomic structure, periodic properties, chemical bonding, comparative studies of s- and p-block elements, chemistry of noble gases and inorganic chemical analysis
	Paper II Organic Chemistry	This paper deals with electronic structure, bonding, mechanism of organic reactions, stereochemistry of organic compounds, structure of different aliphatic and aromatic ring compounds, structure of alkenes, dienes, alkynes and arenes
	Paper III Physical Chemistry	The purpose of this paper is to enable students to understand the mathematical concepts, basics of computers, molecular velocity, liquid, liquid crystals, colloidal and solid states. It also explains kinetics of reactions.


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	Chemistry Practical	Students learn practical aspects of qualitative and quantitative analysis of inorganic compounds along with functional group identification and determination of physical properties like viscosity and surface tension
B Sc II	Paper I Inorganic Chemistry	This paper enables students to have in-depth knowledge of transition elements, theories of co-ordination chemistry, chemistry of Lanthanides and Actinides and concepts of acids bases and nonaqueous solvents

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	Paper II Organic Chemistry	This paper deals with the preparation properties and reaction mechanism of organic halides, alcohols, phenols, aldehydes, ketones, carboxylic acids and their derivatives and chemistry of organic compounds
	Paper III Physical Chemistry	This paper describes the thermodynamics, thermochemistry, chemical, ionic and phase equilibria along with concepts of photochemistry
	Chemistry Practical	Students get practical knowledge of quantitative determination, separation technique, identification of organic compounds, determination of transition temperature, heat of neutralization and solubility of salts at different temperatures.
B Sc III	Paper I Inorganic Chemistry	The purpose of this paper is to describe bonding, magnetic properties, electronic spectra, thermodynamic and kinetic aspects of metal complexes. The paper also gives idea about Organometallic compounds and Bio inorganic chemistry dealing biological roles of alkali and alkaline earth metals. Students also learn the HSAB concept in this curriculum
	Paper II Organic Chemistry	This paper deals with different spectral analysis methods for identification of organic compounds and it also deals with the structure of organometallic compounds, carbohydrates, proteins, polymers and color constituent of organic compounds

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	Paper III Physical Chemistry	In this paper students learn quantum mechanics, molecular spectra, vibrational spectra, Raman spectra, electronic spectra and photochemistry. Students also learn relation between physical properties and molecular structure
	Chemistry Practical	In this practical course students perform different practical like gravimetric analysis, systematic analysis of binary organic mixture and spectrophotometric determination of compounds


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CHEMISTRY

Program outcome (PO)

The Post-graduates in Chemistry will be able to:

1. Gain sound knowledge about all the fundamentals of Basic Chemistry.
2. Understand the different branches like Inorganic, Organic, Physical, Analytical, Environmental, Medicinal, Polymer, Biochemistry, Nuclear and Supramolecular Chemistry.
3. Learn appropriate techniques for qualitative and quantitative analysis that would be applicable for laboratories and industries.
4. Spot and analyze Environmental issues and their remediation.
5. Acquire enough knowledge of synthesis, separation and characterization of compounds using Instrumental methods of analysis.
6. Become a budding researcher and academician in the path of their career building.

Program specific outcome (PSO)

1. Post-graduates in Chemistry will understand that their subject is related to all the branches of science and technology and after having master's degree with this subject they can seek opportunities in so many diversified fields of research, academics and industries.
2. Students will be able to absorb thorough theoretical skills of advanced instrumentals techniques with practical skills of a few instrumentations.
3. Students will learn to work within a small team to undergo practical-based research by preparing small projects to serve basic needs of institution.

Course Outcomes (COs)

Class	Paper Name	Outcome
M. Sc. Sem-I 1	CH - GROUP THEORY AND CHEMISTRY OF METAL COMPLEXES	The purpose of this paper is to describe symmetry operations of different compounds, character table formation and its uses in spectroscopy. Course also enable students to understand bonding and structure of metal complexes with their thermodynamic and kinetic aspects
	CH - I CONCEPTS ORGANIC CHEMISTRY	In this course students are taught about the bonding and stereochemistry of Organic compounds. It also deals with reaction intermediates, elimination and pericyclic reactions.


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	CH - 1	QUANTUM CHEMISTRY, THERMODYNAMICS AND CHEMICAL DYNAMICS - I	In this paper students learn mathematical concepts in Quantum Chemistry, different aspects of Thermodynamics, electrochemistry and Chemical dynamics
	CH - 1	THEORY AND APPLICATIONS OF SPECTROSCOPY-I	In this paper students are enabled to understand theory and applications of MW, Scattering and Raman spectroscopy in structure elucidation of different Organic and Inorganic compounds
	CH - 5	Lab Course – I	This course enables students to learn experimental aspects of preparation of Inorganic compounds along with qualitative and quantitative analysis
	CH - 6	Lab Course – II	In this lab course students get acquainted with experiments based upon adsorption, chemical kinetics, phase equilibria and solutions along with conductometry, potentiometry and polarimetry.
M. Sc. Sem-II 7	CH -	TRANSITION METAL COMPLEXES	This Course aims to enable students to understand reaction mechanism, electronic spectra and magnetic properties of Transition metal complexes. Students also learn about synthesis, properties and structure of Inorganic compounds of commercial uses
	CH - 8	REACTION MECHANISMS	In this course students learn about the reaction mechanisms involving aliphatic and aromatic substitutions along with carbon-carbon and carbon-hetero multiple bond additions
	CH - 9	QUANTUM CHEMISTRY, THERMODYNAMICS AND	In depth concepts of quantum chemistry, thermodynamics

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		CHEMICAL DYNAMICS - II	and chemical kinetics are provided through this course
CH - 10		THEORY AND APPLICATIONS OF SPECTROSCOPY-II	In this course students learn about the structural determination of compounds through UV-VIS, IR, Mass and NMR spectral analysis
CH - 11		Lab Course – III	Students learn about Experimental aspects of separation, purification and preparation of various Organic compounds with their analysis techniques
CH - 12		Lab Course – VI	In this course students learn about Statistical data analysis and use of computer programs in data elucidation along with instrument handling including Flame photometry, Nephelometry, Spectrophotometry and Electrophoresis
M. Sc. Sem-III 13	CH -	RESONANCE PHOTOCHEMISTRY AND ORGANOCATALYSIS	This course enables students to learn Resonance spectroscopy, Photochemistry and Organocatalysis
	CH - 14	CHEMISTRY OF BIOMOLECULES	In this paper students learn about enzyme model, structure of cell membrane and different types of transport system in living organisms
	CH - 15	CATALYSIS, SOLID STATE AND SURFACE CHEMISTRY	Through this course students learn about catalysis, micelle structure, solid states and macromolecules
	CH - 16	ANALYTICAL TECHNIQUES AND DATA ANALYSIS	In this course students are taught to collect, preserve and analyse samples including separation techniques, thermal and automated methods, polarography, potentiometry and conductometry
	CH - 17	Lab Course - V	Through this course students are enabled to perform specific experiments of variable fields including few


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		sophisticated instrument handling
CH - 18	Lab Course - VI	Students are trend to handle sophisticated instruments as an outcome of this course
M. Sc. Sem-IV 19	CH - INSTRUMENTAL METHODS OF ANALYSIS	In this course students learn about the theoretical aspects of advanced chromatography, X-ray and proton induced, emission and absorption spectroscopies along with hyphenated techniques
CH - 20	NATURAL PRODUCT AND MEDICINAL CHEMISTRY	This course gives knowledge about drug design, structure activity relation, antimalarials, antibiotics, antineoplastics, Terpenoids, Carotenoids, Alkaloids and Steroids
CH - 21	MATERIAL AND NUCLEAR CHEMISTRY	In this course students learn about nonequilibrium thermodynamics, material chemistry, supramolecular chemistry, nuclear and radiochemistry
CH - 22	ENVIRONMENTAL & APPLIED CHEMICAL ANALYSIS	This course enable students to learn applied aspects of chemistry and to understand environmental issues along with their remediation
CH - 23	Lab Course - VII	In this course students learn experiments including multistep organic synthesis, qualitative organic analysis, estimation of functional groups and extraction of organic compounds from natural sources
CH - 24	Lab Course - VIII	Students learn more advanced analytical techniques for Inorganic samples as an outcome of this course


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Dept. of Computer Science

Program Outcomes

Program outcomes illustrate what students are expected to know and be able to do the time of graduation. The Computer Science Department's Bachelor of Science program must enable students to achieve, by the time of graduation:

- An ability to apply knowledge of computing and mathematics appropriate to the discipline.
- An ability to identify, formulate, and develop solutions to computational challenges.
- An ability to design, implement, and evaluate a computational system to meet desired needs within realistic constraints.
- An ability to function effectively on teams to accomplish shared computing design, evaluation, or implementation goals.
- An understanding of professional, ethical, legal, security, and social issues and responsibilities for the computing profession.
- An ability to communicate and engage effectively with diverse stakeholders.
- An ability to analyze impacts of computing on individuals, organizations, and society.
- Recognition of the need for and ability to engage in continuing professional development.
- An ability to use appropriate techniques, skills, and tools necessary for computing practice.
- An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computational systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
- An ability to apply design and development principles in the construction of software systems of varying complexity.

Course Specific Outcome

- A graduate with a B.Sc. in Computer Science will have the ability to
 1. Demonstrate mastery of Computer Science in the following core knowledge areas
 - ✦ Data Structures and Programming Languages (C, C++)
 - ✦ Databases (Oracle, M S Access, PL/SQL)
 - ✦ Software Engineering and Development through Visual Basic 6.0
 - ✦ Computer Hardware and Architecture
 2. Apply problem-solving skills and the knowledge of computer science to solve real world problems.
 3. Develop technical project reports and present them orally among the users

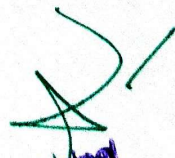

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Course Outcome

S. No	Class	Paper	Unit	Outcome
1	B Sc 1 st Year	I	All	After studying this course, you should be able to: - Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components - Understand the difference between an operating system and an application program, and what each is used for in a computer - Describe some examples of computers and state the effect that the use of computer technology has had on some common products - Identify the principal components of a given computer system
		II	All	- To impart adequate knowledge on the need of programming languages and problem solving techniques. - To develop an in-depth understanding of functional and logical concepts of C Programming. - To provide exposure to problem-solving through C programming. - To familiarize the basic syntax and semantics of C Language - Recollect various programming constructs and to develop C programs. - Understand the fundamentals of C programming. - Choose the right data representation formats based on the requirements of the problem. - Implement different Operations on arrays, functions, pointers, structures, unions and files
2	B Sc 2 nd Year	I	All	After studying this course, you should be able to: - Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components - Understand the difference between an operating system and an application program, and what each is used for in a computer - Describe some examples of computers and state the effect that the use of computer technology has had on some common products - Identify the principal components of a given computer system
		II	I, II	Upon successful completion of this course, the student will be able to: - Describe the function of Hypertext Markup Language (HTML) in Web communications. - Describe the basics of the Domain Name System (DNS) used on the Internet and private networks. - Describe the function of Cascading Style Sheets (CSS) in Web communications and describe the relationship between CSS and HTML. - Define the terms "presentational" and "semantic" mean in the context of HTML/CSS coding. - List three different variants of (X)HTML in wide use on the Web. - Describe how the widespread use of different web browsers can affect the decisions made by a web-master or the author of a site. - Identify software that can be used to create, maintain, or modify HTML and CSS. - Identify the parts of HTML and CSS files.
		III, IV, V		After completing the Course, students will learn: The principles of object-oriented problem solving and programming.

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				• Outline the essential features and elements of the C++ programming language. • Explain programming fundamentals, including statement and control flow and recursion. • Apply the concepts of class, method, constructor, instance, data abstraction, function abstraction, inheritance, overriding, overloading, and polymorphism. • Program with basic data structures using array • Program using objects and data abstraction, class, and methods in function abstraction. • Analyze, write, debug, and test basic C++ codes using the approaches introduced in the course. • Analyze problems and implement simple C++ applications using an object-oriented software engineering approach.
3	B Sc 3 rd Year	I	All	After studying this course, you should be able to: • Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components • Understand the difference between an operating system and an application program, and what each is used for in a computer • Describe some examples of computers and state the effect that the use of computer technology has had on some common products • Identify the principal components of a given computer system
		II	I,II	• Describe the fundamentals of File processing and database processing system. • Explain the various data model and its application. • Explain the various normal forms and its role in DBMS. • Explain the fundamental concepts of SQL programs. • Describe the concepts of function, procedure, package, trigger and exception handling.
			III,IV,V	• Describing the difference between a console program and a Graphical User Interface (GUI). • Creating a console program. • Modifying existing user interfaces in sample programming projects. Creating a GUI incorporating good design principles for a programming project. • Using the following GUI components in assignments: buttons, labels, text boxes, dialogs, picture boxes, check boxes, radio buttons, group boxes and list or combo boxes. • Describing the major components of an IDE and their functions. • Examining, creating, and debugging programming projects using an IDE. • Explaining the role of each of the following typical program components: controls, classes, objects, properties, methods, functions, procedures, forms, modules and projects. • Incorporating these components into both existing and new programming projects


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Zoology

Programme outcome-

A student of zoology doing under graduation will have fair knowledge about identification of wild animals and its classification, Acquire knowledge about wild life and its conservation. , Gain basic knowledge about human pathology and physiology, Gain knowledge about biomedical instrumentation and its working. , Basic concept of genetics, and biotechnology. The student can become economically independent by Knowing about Animal cultures as fish culture, prawn culture and pearl culture, Acquire knowledge about mineral and water cycling in nature and water conservation. Parasitology of different animals their infections and vector insects .All aspects of blood and its practical. Basic knowledge of Instruments used in zoology study.

Programme specific outcome-

Cell biology is the basic of studies of zoology along with classification of animals, so the students after the completion of this programme will be able to understand and apply the knowledge of Cell Biology & Invertebrates ,Vertebrates & Embryology, Anatomy & Physiology. PSO4, Endocrinology, Reproductive Biology Behavior, Evolution and Applied Zoology .The knowledge of Ecology, Environmental biology is according to the needs of today. Other topics that student will get understanding of will be Toxicology; Microbiology and Medical Zoology ,Genetics, Cell Physiology, Biochemistry, Biotechnology and Bio-techniques., Cell Biology and Genetics.

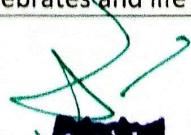
Course outcome-

S.NO	class	paper		Outcome
1,	BSc Iyr	Paper I	Cell biology and invertebrates	The students after the completion of this course will be able to understand and describe The basic animal Cell structure ,Prokaryot and eukaryots ,cell divisions (Mitosis & Meiosis will give him knowledge and insight of almost all invertebrates ,even those which are not commonly seen or are not found in India.The general characteristics &classification of invertebrates. The Helminthes &Annelida which are parasitic invertebrates,their infection, life cycle and pathogenicity ,and most important how to avoid these infections.
		PAPER II	vertebrates and embryology	The students after the completion of this course will be able to describe the origin and classification of Chordates ,Fishes, Amphibia ,Reptilia ,Aves & Mammals. Embryology insight such as Gametogenesis, Fertilization &Parthenogenesis, Development of frog upto formation of three germ layers ,development of Chick upto formation of three germ layers, Extra embryonic membranes, Placenta in mammals.

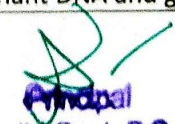
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		PRACTICAL	dissections, cytology preparations, osteology, histology	As dissections are banned from UGC, so alternative methods are used to understand the anatomy of vertebrates in zoology workshop, which makes the student competent in visualization and understand the concept. Cell structure, bone study of animals and histology knowledge is gained.
2.	BSC IYR	Paper I	anatomy and physiology	The students after the completion of this course will be able to describe anatomy of various organ systems of vertebrates - Integument and its derivatives, structure of scales, hair and feathers; Alimentary canal and digestive glands in vertebrates; Respiratory Organs, Gills and lungs; Air-Sac in birds, endoskeleton - limbs, girdles and vertebrae; Circulatory System - Evolution of heart and aortic arches; Urogenital System - Kidney and excretory ducts, nervous system - general plan of brain and spinal cord, Endocrine glands - classification and histology, Gonads and genital ducts. The students after the completion of this course will be able to describe digestion and absorption of dietary components; physiology of heart, cardiac cycle and ECG; blood coagulation; respiratory mechanism and control of breathing. The students after the completion of this course will be able to describe physiology of excretion, osmoregulation; physiology of muscle contraction; physiology of nerve impulse; synaptic transmission; ear and eye - structure and function.
		PAPER II	Endocrinology, reproductive biology, behaviour biology, evolution, applied zoology	After the completion of this course students will be able to describe general characters of hormones, hormone receptors, biosynthesis and secretion of thyroid, adrenal, ovarian and testicular hormones, endocrine disorder due to hormones and other glands. reproductive cycle in vertebrates, menstruation, lactation and pregnancy, mechanism of parturition, hormonal regulation of gametogenesis, extra embryonic membrane, evidences of organic evolution, theories of organic evolution, variation, mutation, isolation and natural selection, evolution of horse, ethology, patterns of behavior, taxes, reflexes, drives and stereotyped behavior, reproductive behavioral patterns, hormones, drugs and behavior. , aquaculture, sericulture, apiculture, pisciculture, poultry keeping, elements of pest control - chemical control & biological control.
		PRACTICAL	dissections, slide/microscopic techniques osteology, life	Students get a chance to Dissection of vertebrates is done by the alternative methods in lab workshop. Different microscopic techniques for preparing slides are done. Bones of vertebrates and life cycle of bees

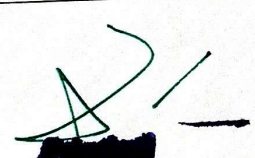

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			cycles	and silk worm.
3.	BSCIIIYR	Paper I	Ecology, environmental biology, toxicology, microbiology, medical zoology	The students after the completion of this course will be able to describe aims and scopes of ecology, major ecosystems of the world, population- characteristics and regulation of densities, communities and ecosystems, biogeochemical cycles, air and water pollution, ecological succession., laws of limiting factors, food chain in a freshwater ecosystem, energy flow in ecosystem-trophic levels, conservation of natural resources, environmental impact assessment. toxicology, definition of toxicity, classification of toxicants, principle of systematic toxicology, toxic agents and their action metallic and inorganic agents, animal poisons - snake-venom, scorpion and bee poisoning, food poisoning . microbiology, general and applied microbiology, microbiology of domestic water and sewage, microbiology of milk and milk products, industrial microbiology. medical microbiology, brief introduction to pathogenic micro-organisms, rickettsia, spirochaetes and bacteria, brief account of lifehistory and pathogenicity of the following pathogens with reference to man; prophylaxis and treatment - pathogenic protozoans - entamoeba, trypanosoma, and giardia, pathogenic helminths-schistosoma, nematode pathogenic parasites of man, vector insects.
		PAPER II	genetics, cell physiology, biochemistry, biotechnology, biotechniques	The students after the completion of this course will be able to describe genetics, linkage and linkage maps, varieties of gene expression - multiple alleles; lithogenesis; pleiotropic genes; gene interaction; epistasis, sex-chromosome systems, and sex-linkage, mutation and chromosomal alterations; meiotic consequences, human genetics - chromosomal and single gene disorders ,cell physiology, general idea about pH and buffer, transport across membrane - cell membrane; mitochondria and endoplasmic reticulum, active transport and its mechanism; active transport in mitochondria and endoplasmic reticulum, hydrolytic enzymes - their chemical nature, activation and specificity, biochemistry, amino acids and peptides - basic structure and biological function, carbohydrate and its metabolism - glycogenesis; gluconeogenesis; glycolysis, glycogenolysis; Kreb's cycle, lipid metabolism - oxidation of glycerol; oxidation of fatty acid, protein metabolism – deamination ,transamination, transmethylation; biosynthesis of protein. The students after the completion of this course will be able to describe biotechnology - scope and importance, recombinant DNA and gene


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				cloning, cloned genes and other tools of biotechnology, applications of biotechnology in pharmaceutical industry, and food processing industry. CO5. The students after the completion of this course will be able to describe biotechniques principles and techniques of pH meter, colorimeter, microscopy-light microscopes, phase contrast and electron microscopes, centrifugation, separation of biomolecules by chromatography and electrophoresis, biochemical methods for determination of Biochemicals
		PRACTICAL	Haematology, environmental biology, medical zoology ,chromatography ,genetics, instrumentation	Blood group determination, Haematin crystals, RBC and WBC counting, ecological experiments, Identification of Pathogens, Chromatography for protein identification, Study of instruments like Dissecting microscope, Light microscope, PH meter, Colorimeter etc.


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**INDIRA GANDHI GOVT. ARTS, SCIENCE AND COMMERCE P.G
COLLEGE VAISHALI NAGAR, BHILAI DURG (C.G) INDI**

DEPARTMENT OF ENGLISH
M A English Literature & Language (U.G)

Programme outcomes, programme specific outcomes and course outcomes

Programme Outcome

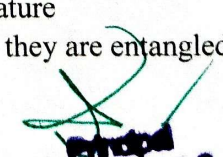
The programme:

- helps the students learn the evolution of language and the politics
- enhances critical thinking of students
- cultivates language skills of students by introducing them to structures of language through a wide variety of literary works.
- hones the writing skills of students and they learn the conventions of academic writing • instills a critical perspective with which students approach the disciplines
- introduces different literary periods and trends of each of these periods.
- introduces works written by different sections of people (gender, racial and ethnic minorities) and makes the students give critical responses from different perspectives.

Programme Specific Outcome

By the end of the programme, the students:

- critically interact with works from different contexts: social, political, economic, historical and national as subjects conscious of their own socio-historic specificity and thus their level of critical thinking is enhanced.
- become thorough with reading works with theoretical basis
- Students become capable of interpreting and exploring relationships from the points of view of different people.
- become inspired by fiction, open up their minds and stimulate the sympathetic/empathic imagination by allowing them to see the world through other's eyes as well to foster intercultural dialogue
- approach and appreciate Indian literature in English and explore its uniqueness and its place among the literatures in English.
- learn what language is and what knowledge a language consist of. This is provided by basic examination of internal organization of sentences, words, and sound systems. The course assumes no prior training in linguistics.
- get sensitized with the critical tools used in the reading of literature
- form an idea of the complex nature of literary studies and how they are entangled with other aspects of the social body.


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- gain perceptive insights into the socio-political dynamics, the structuring points of view, the dominant ideology, hegemony, the prevailing common sense and communal underpinnings that mediate the writing, production, reception and survival of a work.
- learn literary terms and the various streams in literary criticism, to make them aware of the inter-disciplinary nature of contemporary criticism and to develop in students, skills for literary criticism.
- Inculcate a literary, aesthetic and critical awareness of diverse cultures and literary creations and thus to arrive at a broader vision of the world.
- come to know about the evolution of the Feminist movement and to familiarize them with the various issues addressed by Feminism
- become sensitized to issues like marginalization and subjugation of women
- develop sensible response to great classics in translation and fine tune analytical skills with a view to achieving a broad, wholesome vision of life

Core Courses		
S.NO	Course Name	Course Outcome
01	British Literature from the Age of Chaucer to the 18th Century	# To make the students aware of these literary periods and the trends of each # To introduce them to a bunch of English poetry; drama; prose and fiction
02	British Literature: The Nineteenth Century	# To make the student thorough with the main writers and their works of the literary period # To introduce works of different authors and their styles. # To make the students capable of analyzing these works.
03	Twentieth Century Literature up to World War II	# To instill in the students the ability to analyse these works from the political, historical and sociological perspectives.
04	Criticism and Theory	# to instill in the students a theory basis # to make the students analyse and interpret literature based on the # To enhance the critical thinking of students by introducing to them a bunch of literary and political theories. # To make them known the evolution of literary theories.

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05	Twentieth Century British Literature: Post 1940	# To know the trend of the writing of this period # To introduce poems, prose and drama of the period and to make them analysed in the light of the trend of the period. # To study how politics of the time influence literary works and vice versa.
06	Indian English Literature	# To provide an overview of the various phases of the evolution of Indian writing in English. # To introduce students to the thematic concerns, genres and trends of Indian writing in English. # To expose students to the pluralistic aspects of Indian culture and identity.
07	Drama	# To introduce students to the best British plays. # To generate a broad vision of life by making the students to come to grips with universal problems discussed in these dramas. # To make the students explore how universal are these dramas and how politically motivated are these writings.
08	American Literature	# To introduce the students the periods of American literature. # To introduce to them a bunch of poems, plays and fiction written by American authors and make the students know the trend of these from time to time.
09	Post-Colonial Poetry	# To introduce the theory of post colonialism # To enable the students interpret literature based on the theory. # Know sensitize the students with how language has borne the politics of the colonizer.


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**INDIRA GANDHI GOVT. ARTS, SCIENCE AND COMMERCE P.G
COLLEGE VAISHALI NAGAR, BHILAI DURG (C.G) INDI**

DEPARTMENT OF ENGLISH
M A English Literature & Language (U.G)

Programme outcomes, programme specific outcomes and course outcomes

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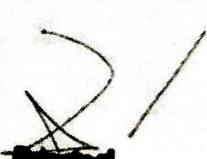
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LIST OF FULL TIME TEACHERS IN SESSION – 2020-21

S.NO	NAME	DESIGNATION	Name of the Department	Nature of Appointment
1	DR. SMT. ALKA MESHRAM	PRINCIPAL	POLITICAL SCIENCE	REGULAR
2	DR. KAILASH SHARMA	PROFESSOR	HINDI	REGULAR
3	DR. SANTOSH KUMAR BOHRE	ASST. PROFESSOR	MATHS	REGULAR
✓ 4	DR. SMT. ARTI DIWAN	ASST. PROFESSOR	HOME SCIENCE	REGULAR
5	DR. SMT. MERILY ROY	ASST. PROFESSOR	ENGLISH	REGULAR
6	DR. SMT. RABINDAR CHHABDA	ASST. PROFESSOR	ENGLISH	REGULAR
✓ 7	DR. SMT. NEETA DANIEL	PROFESSOR	CHEMISTRY	REGULAR
✓ 8	DR. SMT. ALPA SHRIVASTAVA	ASST. PROFESSOR	CHEMISTRY	REGULAR
✓ 9	DR. SMT. SHIKHA SHRIVASTAVA	ASST. PROFESSOR	ZOOLOGY	REGULAR
10	DR. SMT. MEENAKSHI BHARADWAJ	ASST. PROFESSOR	BOTANY	REGULAR
11	DR. AJAY KUMAR MANHAR	ASST. PROFESSOR	INDUSTRIAL MICROBIOLOGY	REGULAR
✓ 12	DR. SMRITI AGRAWAL	ASST. PROFESSOR	PHYSICS	REGULAR
13	DR. SANJAY KUMAR DAS	ASST. PROFESSOR	GEOGRAPHY	REGULAR
14	DR. RITESH KUMAR AGRAWAL	ASST. PROFESSOR	ECONOMICS	REGULAR
15	SMT. SUSHILA SHARMA	ASST. PROFESSOR	ECONOMICS	REGULAR
16	SMT. KAUSHALYA SHASTRI	ASST. PROFESSOR	HINDI	REGULAR
17	DR. SMT. KIRAN RAMTEKE	ASST. PROFESSOR	POLITICAL SCIENCE	REGULAR
18	DR. M.S. PATEL	ASST. PROFESSOR	COMMERCE	REGULAR
19	SHRI DINESH KUMAR SONI	ASST. PROFESSOR	COMMERCE	REGULAR
20	SHRI MAHESH KUMAR ALENDRA	ASST. PROFESSOR	SANSKRIT	REGULAR
✓ 21	SHRI SURESH KUMAR THAKUR	ASST. PROFESSOR	COMPUTER	REGULAR
22	DR. GIRISH SINGH	PROFESSOR	SOCIOLOGY	REGULAR
23	SMT. M. JAYSHREE	GUEST LECTURE	ENGLISH	CONTRACTUAL
24	SMT. KRISHNA VENI	GUEST LECTURE	CHEMISTRY	CONTRACTUAL
25	MISS SHRISHTI PARGHANIA	GUEST LECTURE	POLITICAL SCIENCE	CONTRACTUAL
26	SHRI SAKAN SOLANKI	GUEST LECTURE	COMMERCE	CONTRACTUAL


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DEPARTMENT OF POLITICAL SCIENCE

NO	PROGRAMME COURSE	PAPER	COURSE OUT COME
1	B.A. - I	Political Theory	☆ Student will clear with meaning of Political Science in Modern Concept. Explaining the Power Authority and Influence Method of study Political Science.
		Indian Govt. and Politics	☆ Analyzing the Indian movement Gandhi an Movements such as the Noncooperation, Civil Disobedience, Quit India Movements. ☆ Introducing the Indian constitution characteristics, Preamble, Sources.
2	B.A. - II	Political Thought	☆ Covers the Political Thought of Plato and Aristotle social Contract Theories of Thomas Hobbes and John Locke. ☆ Understanding Basic Concept of Liberty, Equality, Rights Law and Justice. ☆ Describing the Marxist Approach to Politics.
		Comparative Government and Politics	☆ Tracing the Evolution of Comparative Politics as a discipline and Drawing. ☆ Distinction Between Comparative Politics and Comparative Government. ☆ Investigating the a Nature and Scope of Comparative Politics. ☆ Critically Analyzing the Features of a liberal Democratic and Socialist Political System with focus on UK, USA and Peoples Republic of China.
3	B.A. - III	International Politics	☆ Student will clear With Meaning Nature and Scope O f International Politics Explanation. The Approaches to study the International Politics. ☆ Impact of environmentalism, Globalization, Human Rights.
		Public Administration	☆ Explaining the Nature Scope and Evolution of Public Administration as a Discipline Differences and similarities between Public and Private Administration. ☆ To explain the bureaucracy and budget making process. The a New trends in public administration.

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		Political Science Programme Outcome	☆ After completion of the course students of Political Science will be able to develop and understanding of the basic concepts in political Science. The will be able to understand Political System in India through the study of constitution and Government at Deferent level. The Students will have General understanding about the relation of Constitution and Functioning of Government. Institution at state level , Central Level, Local Level, Student will develop a detailed understanding of Political Theory, Indian Government and Politics, Political Thought, Comparative Politics, International Politics and Public Administration.
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COURSE OUTCOMES

FINANCIAL ACCOUNTING

- ☆ After the completion of this Course the student will be able to impart knowledge of various Accounting concepts.
- ☆ After completion of this course the students will get knowledge about accounting Principles, Procedures, methods and techniques and also learn skills which will be helpful for computerized cringing.

BUSINESS COMMUNICATION

- ☆ The students will be will versed with various concepts process and importance of communication.
- ☆ After completion of this course the students will come to know new trends in business communication.
- ☆ The students after the completion of this course will be able to recognize various media of communication.

BUSINESS MATHEMATICS

- ☆ This course will help the students to prepare for competitive exams.
- ☆ This course will help the students to improve their calculating power and skills.
- ☆ This course helps the students to understand the concepts of simple interest, compound interest and concepts of EMI.

BUSINESS REGULATORY FRAM WORK

- ☆ The course will help the students to know about the Business Environment.

The student will be able to create **entrepreneurial awareness**.

BUSINESS ECONOMICS

- ☆ The students will be able to use various Business economic theories.
- ☆ The Students will be able to solve humans problem by wing economics theories.

The students after the completion of course will be able to understand the basic of micro economic concepts.

BUSINESS STATISTIC

- ☆ After the completion of this course the students will be able to understand and apply the concept of mean median and mode.
- ☆ After the completion of course the students will be able to understand and apply the various methods of sampling and probability measurement.

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FUNDAMENTALS OF ENTREPRENEURSHIP

- ☆ This course will help the students to create entrepreneurial temper.
- ☆ After the completion of this course the students will be able to take up the cause of entrepreneurship.

INCOME TAX

- ☆ After the completion of course the students will be able to understand the basic concept and acquire Knowledge about computation of Income.
- ☆ This course will enable the students to submit Income Tax Return, Advance Tax and Tax deducted at source.
- ☆ This course helps the students to identify the procedures of Tax Collection authorities under Income Tax Act.

AUDITING

- ☆ After the completion of this course the students will understand about concept and principle of Auditing, Audit process, Assurance standard and Tax Audit of computerized system.
- ☆ This course helps the students to prepare Audit Report.

INDIRECT TAXES WITH G.S.T.

- ☆ After the completion of this course the students will be well versed with the concept of GST.
- ☆ After the completion of this course the students will be well versed with the concept of GST.
- ☆ After the completion of course the students will be able to understand and apply the concept of Excise duty CENVAT.
- ☆ After the completion of this course the students will be able to understand and apply the Knowledge of Registration under GST including its procedures and the liable person for GST registration.

MANAGEMENT ACCOUNTING

- ☆ This course will help the students to understand and apply the basic knowledge of management accounting and its relevance in a business organization.
- ☆ This course will enable the students to apply management behavior and control structures prevalent under varied business environment


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FUNDAMENTAL OF INSURANCE

- ☆ After the completion of this course .The Students will be able to understand and apply the fundamentals of Insurance.
- ☆ This course helps the students to understand and apply the knowledge of life insurance, Fire Insurance and Marine Insurance.
- ☆ This course also helps the students to understand and apply the functions of insurance agent

MONEY AND BANKING

- ☆ The course will be helpful to students as it will provide understanding about fundamentals of Banking.
- ☆ The students after the completion of this course will be able to understand and apply the banking business and practices.
- ☆ This course also provide understanding about this new concepts introduced in this banking system.


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Course Outcome

S. No	Class	Paper	Unit	Outcome
1	B Sc 1 st Year	I	All	After studying this course, you should be able to: - Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components - Understand the difference between an operating system and an application program, and what each is used for in a computer - Describe some examples of computers and state the effect that the use of computer technology has had on some common products - Identify the principal components of a given computer system
		II	All	- To impart adequate knowledge on the need of programming languages and problem solving techniques. - To develop an in-depth understanding of functional and logical concepts of C Programming. - To provide exposure to problem-solving through C programming. - To familiarize the basic syntax and semantics of C Language - Recollect various programming constructs and to develop C programs. - Understand the fundamentals of C programming. - Choose the right data representation formats based on the requirements of the problem. - Implement different Operations on arrays, functions, pointers, structures, unions and files
2	B Sc 2 nd Year	I	All	After studying this course, you should be able to: - Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components - Understand the difference between an operating system and an application program, and what each is used for in a computer - Describe some examples of computers and state the effect that the use of computer technology has had on some common products - Identify the principal components of a given computer system
		II	I, II	Upon successful completion of this course, the student will be able to: - Describe the function of Hypertext Markup Language (HTML) in Web communications. - Describe the basics of the Domain Name System (DNS) used on the Internet and private networks. - Describe the function of Cascading Style Sheets (CSS) in Web communications and describe the relationship between CSS and HTML. - Define the terms "presentational" and "semantic" mean in the context of HTML/CSS coding. - List three different variants of (X)HTML in wide use on the Web. - Describe how the widespread use of different web browsers can affect the decisions made by a web-master or the author of a site. - Identify software that can be used to create, maintain, or modify HTML and CSS. - Identify the parts of HTML and CSS files.
		III, IV, V		After completing the Course, students will learn: The principles of object-oriented problem solving and programming.

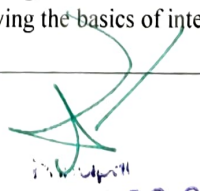
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				• Outline the essential features and elements of the C++ programming language. • Explain programming fundamentals, including statement and control flow and recursion. • Apply the concepts of class, method, constructor, instance, data abstraction, function abstraction, inheritance, overriding, overloading, and polymorphism. • Program with basic data structures using array • Program using objects and data abstraction, class, and methods in function abstraction. • Analyze, write, debug, and test basic C++ codes using the approaches introduced in the course. • Analyze problems and implement simple C++ applications using an object-oriented software engineering approach.
3	B Sc 3 rd Year	I	All	After studying this course, you should be able to: • Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components • Understand the difference between an operating system and an application program, and what each is used for in a computer • Describe some examples of computers and state the effect that the use of computer technology has had on some common products • Identify the principal components of a given computer system
		II	I,II	• Describe the fundamentals of File processing and database processing system. • Explain the various data model and its application. • Explain the various normal forms and its role in DBMS. • Explain the fundamental concepts of SQL programs. • Describe the concepts of function, procedure, package, trigger and exception handling.
			III,IV,V	• Describing the difference between a console program and a Graphical User Interface (GUI). • Creating a console program. • Modifying existing user interfaces in sample programming projects. Creating a GUI incorporating good design principles for a programming project. • Using the following GUI components in assignments: buttons, labels, text boxes, dialogs, picture boxes, check boxes, radio buttons, group boxes and list or combo boxes. • Describing the major components of an IDE and their functions. • Examining, creating, and debugging programming projects using an IDE. • Explaining the role of each of the following typical program components: controls, classes, objects, properties, methods, functions, procedures, forms, modules and projects. • Incorporating these components into both existing and new programming projects


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Course Outcome

S. No	Class	Paper	Unit	Outcome
1	B Sc 1 st Year	I	All	Algebra & Trigonometric: Work with matrices and determine if a given square matrix is invertible. • Learn to solve systems of linear equations and application problems requiring them. • Learn to compute determinants and know their properties. • Learn to find and use eigenvalues and eigenvectors of a matrix. • Learn about and work with vector spaces and subspaces • Recognize and use the vocabulary of angles (including standard position, initial and terminal sides, quadrantal angles, coterminal angles, acute, right, and obtuse angles) • Use right triangles to evaluate the six trigonometric functions • Compute the six trigonometric functions of any angle and use the unit circle to define the six trigonometric functions for all real numbers • Know and draw the graphs of the six trigonometric functions and their variations • Understand the definitions of the inverse trigonometric functions
		II	All	Calculus: This course will enable the students to: • Assimilate the notions of limit of a sequence and convergence of a series of real numbers. • Calculate the limit and examine the continuity of a function at a point. • Understand the consequences of various mean value theorems for differentiable functions. • Sketch curves in Cartesian and polar coordinate systems. • Apply derivative tests in optimization problems appearing in social sciences, physical sciences, life sciences and a host of other disciplines.
		III	ALL	VECTOR ANALYSIS AND GEOMETRY After passing the course, the student shall be able to • Apply vector algebra and use the gradient of scalar field to solve elementary problems in physics • Carry out line, surface and volume integration as well as differentiation of scalar and vector fields • Interpret the divergence and the curl physically and apply these operators to carry out surface and line integration by means of Gauss and Stoke's theorems
2	B Sc 2 nd Year	I	All	ADVANCED CALCULUS Students are expected to be able to • Communicate mathematical results through the proper use of mathematical notation and words • Construct proofs involving sequences and limits • Construct proofs involving continuity • Construct proofs involving differentiation • Construct proofs involving the basics of integration


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		II	ALL	Differential Equation After studying this course, you should be able to: - Recognize differential equations that can be solved by each of the three methods – direct integration, separation of variables and integrating factor method – and use the appropriate method to solve them - Use an initial condition to find a particular solution of a differential equation, given a general solution Check a solution of a differential equation in explicit or implicit form, by substituting it into the differential equation - Understand the terms ‘exponential growth/decay’, ‘proportionate growth rate’ and ‘doubling/halving time’ when applied to population models, and the terms exponential decay’, ‘decay constant’ and ‘half-life’ when applied to radioactivity - Solve problems involving exponential growth and decay.
		III	ALL	Mechanics This course will enable the students to: - Familiarize with subject matter, which has been the single centre, to which were drawn mathematicians, physicists, astronomers, and engineers together. Understand necessary conditions for the equilibrium of particles acted upon by various forces and learn the principle of virtual work for a system of coplanar forces acting on a rigid body. - Determine the centre of gravity of some materialistic systems and discuss the equilibrium of a uniform cable hanging freely under its own weight. Deal with the kinematics and kinetics of the rectilinear and planar motions of a particle including the constrained oscillatory motions of particles. - Learn that a particle moving under a central force describes a plane curve and know the Kepler’s laws of the planetary motions, which were deduced by him long before the mathematical theory given by Newton
		I	All	Real Analysis On successful completion of this course, students will be able to: - Describe the fundamental properties of the real numbers that underpin the formal development of real analysis; - Demonstrate an understanding of the theory of sequences and series, continuity, differentiation and integration; Demonstrate skills in constructing rigorous mathematical arguments; - Apply the theory in the course to solve a variety of problems at an appropriate level of difficulty; - Demonstrate skills in communicating mathematics.
3	B Sc 3 rd Year	II	ALL	Abstract Algebra The student is able to - Demonstrate insight into abstract algebra with focus on axiomatic theories - Apply algebraic ways of thinking - Demonstrate knowledge and understanding of fundamental concepts including groups, subgroups, normal subgroups, homeomorphisms and isomorphism - Demonstrate knowledge and understanding of rings, fields and their

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				properties • Understand and prove fundamental results and solve algebraic problems using appropriate techniques
		III	ALL	Discrete Mathematics: Upon completion of this course students should be able to do the following: • Discuss definitions and diagram strategies for potential proofs in logical sequential order without mathematical symbols (plain English). • Construct mathematical arguments using logical connectives and quantifiers. • Verify the correctness of an argument using symbolic logic and truth tables. • Construct proofs using direct proof, proof by contradiction, and proof by cases, or mathematical induction. • Solve problems using counting techniques and combinatory. • Perform operations on discrete structures such as sets, functions, relations or sequences. • Solve problems involving recurrence relations and generating functions. • Construct functions and apply counting techniques on sets in the context of discrete probability. • Apply algorithms and use definitions to solve problems to proof statements in elementary number theory.


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कार्यालय प्राचार्य, इंदिरा गांधी शासकीय स्नातकोत्तर महाविद्यालय



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SOCIOLOGY

PROGRAMME OUTCOME

Sociology learning provides initial knowledge about society, Social life and social integrations. It prepares an individual to social life by inculcating values, morals, and manners. It gives knowledge about communities in which he interacts like rural urban and tribal communities.

PROGRAMME SPECIFIC OUTCOME

The study prepare an individual become useful member of, society and Nations at large, It highlights various problems prevalent in society and measures to come out of its.


G.L. Sociology


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SOCIOLOGY

NO	PROGRAMME COURSE	PAPER	COURSE OUT COME
1	B.A. - I	INTRODUCTION OF SOCIOLOGY (PAPER -I)	☆ The first year students of the undergraduate level, after studying Sociology, can understand the theoretical aspects of society, which have opened up. Even while living in society, students do not know about society like: family and kinship, person and marriage, social change, social system etc. After studying the subjects, students become able to understand the basic meaning of society. Society ,
		CONTEMPORARY INDIAN SOCIETY (PAPER -II)	☆ A society of India, which is in the middle from the initial stage till today, can understand comparatively so that it can understand the changes taking place in the society. And the students are also having problems. As in ancient times, there used to be varna system in Indian society, which has changed into class system today. Bachelor's level BA first year student, by studying the happening social events in ancient India, acquires the knowledge that in the past there was a lack of development of Indian society, but gradually after coming under the influence of civilization, there was an unprecedented change. started happening in Indian society.
2	B.A. - II	SOCIOLOGY OF TRIBAL SOCIETY (PAPER -I)	☆ And after reading tribal society, students become able to understand other classes as well. On the basis of the development of civilization, if all human societies are divided into three main parts, then they will be called tribal, rural and urban society. Students are able to understand with devotion that all sociologists are of the opinion that only by understanding the urban and rural societies, the voices of development of human society and the early form of culture of any society cannot be understood. That is why the students are succeeding in understanding the meaning of tribe, after definition, tribal culture, tribal kinship, marriage, family, religion and development for them, directly and indirectly. understanding dynamic social

Signature
G.L. SOCIOLOGY

3	B.A. - III	CRIME & SOCIETY (PAPER -II)	☆ After understanding the society well, the students understand the meaning and definition of crime after reading the crimes happening inside and outside the society. And the students try to make people aware of every section of the society. After a comparative study of both society and crime, the students understand that the people living in the society, in the event of not tolerating their negative thinking or exploitation on themselves, due to being against the social rules or law rules, they fall under the category of crime. comes in and that person becomes a criminal. Therefore, leaving the social evils, the students would be able to lay emphasis on social homogeneity, that is, social unity.
		FOUNDATION OF SOCIOLOGICAL THOUGHT (PAPER -I)	☆ 3) The students of the graduate level are science after the first year and second year, studying this and others, studying the society of the society is the medium to the society. The way a doctor is able to treat patients, observe, test and observe, which we call the scientific method. It is understood that like sociology sciences, only after proper understanding of the disease, sociologists present many different theories and works in the society with their same scientific method. Students of the final year of graduation are able to understand It has been considered appropriate to know about society by sociological ideas such as: - Auguste Comte, Imral Dukham, Max Weber, Parento etc. Sociologists did their studies with the scientific method
		METHODS OF SOCIAL RESEARCH (PAPER -II)	☆ After understanding sociology, the reasoning power of the student increases, and it becomes capable of understanding. That "to get new knowledge about social events and problems, we call the systematic study only social research. And the student does social survey on any one social topic through questionnaire, interview guide, interview schedule and from appropriate data. The study of society becomes easier and the students also understand that social research is not an exploratory experimental type of general nature and understands it as a historical comparison.

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