1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

number of programmer in which choice below credit system has been implemented

Course		program	Paper	Name of paper/paper code	Elective course implement
B.A. III		English literature	Paper II	(A) American literature (0236)	20th century literature
				(B) 20th century literature (0237)	
B.Sc. III		Mathematics	Paper III	(A) Principle of computer science (0900)	Discrete mathematics
				(B) Discrete mathematics (0901)	
				(C) Application of mathematics in finance and insurance (0902)	
				(D) Programing in c numerical analysis(0903)	
				(E) mathematicls modeling(0904)	
M.Sc.III Semester And M.Sc. IV semester		Mathematics	Paper III	(A) Fundamental of Computer Science (Object Oriented Programming and Data Structure) (	Fundamentals of Computer Science (Object Oriented Programming and Data Structure) (2016-17)
				(B) General Relativity and Cosmology	
				(C) Fuzzy Set Theory & Its Applications	Fuzzy Set Theory & Its Applications (2017 to 2021)

M.Sc.III Semester And M.Sc. IV semester		Mathematics	Paper IV	(A) Operations Research	Operations Research
				(B) Wavelets	
			Paper V	(A) Programming in C (with ANSI Features) (B) Graph Theory	Programming in C (with ANSI Features)
				(C) Algebraic Number Theory (I)	
M.A I Semester		History	Paper IV	(A) History of great britain (1815 to 1885) /(0373- I)	Women in indian history in ancient and medieval period
				(B) Women in indian history in ancient and medieval period (0374- I)	
M.A II Semester		History	Paper VIII	(A) Modern England(1885-1956) (0373- II)	Women in modern india
				(B) Women in modern india(0374-II)	
M.A III Semester		History	Paper IV	(A) Cultural history of india begning to 1526 AD(0385- I)	cultural history of india begning to 1526 AD
				(B) Indian constitution and administrative system of india(0386- I)	
				(C) Tourism theory (0387- I)	

M.A IV Semester		History	Paper optional	(A) Cultural history of india (1526 AD to 1950 AD) (0385-II)	Cultural history of india (1526 AD to 1950 AD)
				(B) Central and state administrative system of india (0386-II)	
				(C) tourism theory and principles in reference of history(0387-II)	
M.Com IV Semester		Specialization optional group	(A)	Marketing	Marketing
			(B)	management	
			(C) (D)	Banking and insurance	
			(D)	Taxation and accounting	
				Environment license and research	

ENGLISH LETERATURE

MA English

PAPER -I

INDIAN WRITING IN ENGLISH M.M.: 75

(Paper Code-0235)

All questions are compulsory.

Note : 1. Uint - I is compulsory. Two passages from each of the units II to V to be set and three to be attempted. (3x5 = 15)

2. Short answer questions from unit VII, seven to be set and five to be attempted. (5x2 = 10)

3. Long-answer questions from unit II to VI. Êive questions from each unit with internal choice to be set. (5x10 = 50)

UNIT-I Annotations and short answer questions.

UNIT-II Poetry -

	Toru Dutt	-	'Our Casurina Tree'
	Tagore	-	Songs 1 & 103 from 'Gitanjali'
	Sarojini Naidu	-	'The Ecstasy', 'The Lotus'
UNIT-III	Kamla Das	-	'The old playhouse'
	Gauri Deshpandey	Or	' The female of the species
	Jayant Mahapatra	-	'Dawn at Puri'
	K.N. Daruwala	Or	'Death by Burial'
	Shiv K. Kumar	-	'Indian Women'
UNIT-IV	**Prose -**		
	Nirad C.Choudhary	-	My Birth Place.
	Dr. S. Radhakrishnan	-	The call of the suffering.
UNIT-V	**Drama -**		
	Girish Karnad	-	Hayavadana
		Or	
	Tendulkar	-	Silence ! The Court is in session.
UNIT-VI	**Fiction -**		
	R.K. Narayan	-	Guide

UNIT-VII 1. Lyric, 2. Subjective poetry, 3. Couplet, 4. Fable, 5. Hymn, 6. Allegory, 7. Autobiography.

BOOK RECOMMENDED :

1. Indian Poetry in English, Ed. Hari Mohan prasad, Sterling Publication.
2. An Introduction to the study of English Literature, B. Prasad.
3. A Glossary of Literary Terms - M.H. Abrams.
4. Prose of To day - M.C. Millan.

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Part-3

PAPER - II
(A) AMERICAN LITERATURE
(Paper Code-0236)

All questions are compulsory.

Note : 1. Uint-I is compulsory. Two passages from each of the units II to V to be set and three to be attempted. (3x5 = 15)

2. Short answer questions from unit VII, seven to be set and five to be attempted. (5x2 = 10)

3. Long-answer questions from unit II to VI. (word limit for each answer is 300-400 (words) internal choice to be set. (5x10 = 50)

UNIT-I Annotations and short answer question.

UNIT-II Poetry -

Wait whitman	-	O Captain ! My Captain, when the Lilacs Last in the Dooryard Bloomed.
Carl Sandberg	-	'Who Am I ?', 'I am the People, The Mob'
UNIT-III Emily Dickinson	-	'Hope is the thing with Feather' I Felt a funeral in My Brain'
E.E. Cummings	-	'The Cambridge Ladies' 'As Freedom is a Breakfast food'

UNIT-IV Prose -

William Faulkner	-	Nobel Award Acceptence Speech
W. Carlos Williams	-	In the American Grain
Walt Whitman	-	Preface to "Leaves of Grass'

UNIT-V Drama -

Miller	-	All My Sons
	Or	
Eugene O'Neill	-	The Hairy Ape

UNIT-VI Fiction -

E. Hemingway	-	A Farewell to Arms
	Or	
W. Faulkner	-	The Sound and the Fury

UNIT-VII 1. Naturalism, 2. Realism, 3. Art for Art's sake, 4. Poetic-Drama, 5. Symbolism, 6. American Renaissance, 7. Existentialism.

BOOK RECOMMENDED :

1. American Literature, An Anthology, Ed. Fr. Egbert S. Oliver.
2. A Glossary of Literary Terms - M.H. Abrams.

Dr. M. Chakraborty Dr. S Gupta DR MERILY ROY

PAPER - II
(B) 20TH CENTURY LITERATURE IN ENGLISH
(Paper Code-0237)

The paper will be taught as an optional paper to Paper-II(A) which is a paper on American Literature. The Principle focus will be to probe the students a general background and cultural history of this period and also to make them aware of the Literary trends of the twentieth century. The Paper will comprise six units and in all six quetions are to be attempted, one from each unit.

UNIT-I The following historical and literary topics will be included in this unit. Students are required to write short notes of not more than three hundred words on any two of the following topics. **(10 Marks)**

i) The Two world wars.
ii) The Russian Revolution.
iii) The Great Depression.
iv) The Vietnam war.
v) Freudian Thought
vi) Existentialism.
vii) Absurdism.
viii) Modernism and Post Modernism.
ix) New Development in fiction and Drama.

UNIT-II Ten objective type questions on the life History and major poetical works of the following poets of the twentieth century will be asked in this unit. **(10 Marks)**

i) W.B. Yeats (1865-1939)
ii) Siegfried Sasson (1886-1967)
iii) Rupert Brooke (1887-1915)
iv) T.S. Eliot (1888-1965)
v) Wilfred Owen (1893-1918)
vi) W.H. Auden (1907-1937)
vii) Louis Macneice (1907-1963)
viii) Stephen Spender (1909-)
ix) Dylan Thomas (1914-1953)
x) Philip Larkin (1922-1985)

UNIT-III (15 marks)

T.S. Eliot	-	'The Waste Land'
	Or	
Wilfred Owen	-	'Disabled'
Siegfried Sassoon	-	'Attack', 'Falling Asleep'
Rupert Brooke	-	'The Hill'
W.H. Auden	-	'Miss Gee'

UNIT-IV (15 marks)

Joseph Conrad	-	'Heart of Darkness'
	Or	
Chinua Achebe	-	'Things Fall Apart'

UNIT-V (Non Fictional Prose) (10 marks)

Virginia Woolf	-	'The Death of the Moth'
Graham Greene	-	'The Lost Childhood'

UNIT-VI (Drama) (15 marks)

Bernard Shaw	-	'Pygmalion'
	Or	
Samuel Beckett	-	'Waiting for Godot'

Dr. M. Chakraborty — Dr. S Gupta — DR MERILY RO

MSc mathamatics MATHEMATICS

PAPER - III - (OPTIONAL)

(I) PRINCIPLES OF COMPUTER SCIENCE (Paper Code-0900)

UNIT-I Data Storage - Storage of bits. Main Memory. Mass Storage. Coding Information of Storage. The Binary System. Storing integers, storing fractions, communication errors. **Data Manipulation** - The Central Processing Unit. The Stored-Program Concept. Programme Execution. Other Architectures. Arithmetic/Logic Instructions. Computer-Peripheral Communication.

UNIT-II Operating System and Networks - The Evolutionof Operating System. Operating System Architecture. Coordinating the Machine's Activities. Handling Competition Among Process. Networks. Networks Protocol.

Software Engineering - The Software Engineering Discipline. The Software Life Cycle. Modularity. Development Tools and Techniques. Documentation. Software Ownership and Liability.

UNIT-III Algorithms - The Concept of an Algorithm, Algorithm Representation. Algorithm

Discovery. Iterative Structures. Recursive Structures. Efficiency and Correctness.

(Algorithms to be implemented in C++).

Programming Languages - Historical Perspective. Traditional Programming Concepts, Program Units. Language Implementation. Parallel Computing. Declarative Computing.

UNIT-IV Data Structures - Arrays. Lists. Stacks. Queues. Trees. Customised Data Types. Object Oriented Programming.

File Structure - Sequential Files. Text Files. Indexed Files. Hashed Files. The Role of The Operating System.

Database Structure - General Issues. The Layered Approach to Database Implementation. The Relational Model. Object-Oriented Database. Maintaining Database Integrity. E-R models.

UNIT-V Artifical Intelligence - Some Philosophical Issues. Image Analysis. Reasoning, Control System Activities. Using Heuristics. Artificial Neural Networks. Application of Artificial Intelligence.

Theory of Computation - Turning Machines. Computable functions. A Non computable Function. Complexity and its Measures. Problem Classification.

REFERENCES :

1. J. Glen Brookshear, Computer Science : An Overview, Addition -Wesley.
2. Stanley B. Lippman, Josee Lojoie, C++ Primer (3rd Edition), Addison-Wesley.

PAPER - III - (OPTIONAL)

(II) DISCRETE MATHEMATICS (Paper Code-0901)

UNIT-I Sets and Propositions - Cardinality. Mathematical Induction, Principle of Inclusion and exclusion.

Computability and Formal Languages - Ordered Sets. Languages. Phrase Structure Grammars. Types of Grammars and Languages. Permutations. Combinations and Discrete Probability.

UNIT-II Relations and Functions - Binary Relations, Equivalence Relations and Partitions. Partial Order Relations and Lattices. Chains and Antichains. Pigeon Hole Principle. **Graphs and Planar Graphs -** Basic Terminology. Multigraphs. Weighted Graphs. Paths and Circuits. Shortest Paths. Eulerian Paths and Circuits. Travelling Salesman Problem. Planner Graphs.

TREES.

UNIT-III Finite State Machines - Equivalent Machines. Finite State Machines as Language Recognizers. Analysis of Algorithms - Time Complexity. Complexity of Problems. Discrete Numeric Functions and Generating Functions.

UNIT-IV1 Recurrence Relations and Recursive Algorithms - Linear Recurrence Relations with Constant Coefficients. Homogeneous Solutions. Particular Solution. Total Solution. Solution by the Method of Generating Functions. Brief review of Groups and Rings.

UNIT-V Boolean Algebras - Lattices and Algebraic Structures. Duality, Distributive and Complemented Lattices. Boolean Lattices and Boolean Algebras. Boolean Functions and Expressions. Prepositional Calculus. Design and Implementation of Digital Networks. Switching Circuits.

REFERENCES :

C.L. Liu, Elements of Discrete Mathematics, (Second Edition), McGraw Hill, International Edition, Computer Science Series, 1986.

PAPER - III - (OPTIONAL)
(III) APPLICATION OF MATHEMATICS IN FINANCE AND INSURANCE
(Paper Code-0902)

Application of Mathematics in Finance :

UNIT-I Financial Management - An overview. Nature and Scope of Financial Management.

Goals of Financial Management and main decisions of financial management. Difference between risk, speculation and gambling.

Time value of Money-Interest rate and discount rate. Present value and future valuediscrete case as well as continuous compounding case. Annuities and its kinds.

UNIT-II Meaning of return. Return as Internal Rate of Return (IRR). Numerical Methods like Newton RaphsonMethod to calculate IRR. Measurement of returns under uncertainty situations. Meaning of risk. Difference between risk and uncertainty. Types of risks. Measurement of risk. Calculation of security and Portfolio Risk and Return-Markowitz Model. Sharpe's Single Index Model Systematic Risk and Unsystematic Risk.

UNIT-III Taylor series and Bond Valuation. Calculation of Duration and Convexity of bonds. Financial Derivaties - Futures. Forward. Swaps and Options. Call and Put Option. Call and Put Parity Theorem. Pricing of contingent claims through Arbitrage and Arbitrage Theorem.

Application of Mathematics in Insurance

UNIT-IV Insurance Fundamentals - Insurance defined. Meaning of loss. Chances of loss, peril, hazard, and proximate cause in insurance. Costs and benefits of insurance to the society and branches of insurance-life insurance and various types of general insurance. Insurable loss exposuresfeature of a loss that is ideal for insurance. Life Insurance Mathematics - Construction of Mortality Tables. Computation of Premium of Life Insurance for a fixed duration and for the whole life.

UNIT-V Determination of claims for General Insurance - Using Poisson Distribution and Negative Binomial Distribution-the Polya Case.

Determination of the amount of Claims in General Insurance - Compound Aggregate claim model and its properties, and claims of reinsurance. Calculation of a compound claim density function. F-recursive and approximate formulae for F.

REFERENCES :

1. Aswath Damodaran, Corporate Finance - Theory and Practice, John Wiley & Sons Inc.
2. John C. Hull, Options, Futures, and Other Derivatives, Prentice-Hall of Indian Private Limited.
3. Sheldon M. Ross, An Introduction to Mathematical Finance, Cambridge University Press.
4. Mark S. Dorfman, Introduction to Risk Management and Insurance, Prentice Hall, Englwood Cliffs, New Jersey.
5. C.D. Daykin, T. Pentikainen and M. Pesonen, Practical Risk Theoryfor Actuaries, Chapman & Hall.

PAPER - III - (OPTIONAL)

Theory component will have maximum marks 30.
Practical component will have maximum marks 20.

(IV) PROGRAMMING IN C AND NUMERICAL ANALYSIS (Thoury & Practical)

(Paper Code-0903)

UNIT-I Programmer's model of a computer. Algorithms. Flow Charts. Data Types. Arithmetic and input/output instructions. Decisions control structures. Decision statements. Logical and Conditional operators. Loop. Case control structures. Functions. Recursions. Preprocessors. Arrays. Puppetting of strings. Structures. Pointers. File formatting.

Numerical Analysis

UNIT-II Solution of Equations : Bisection, Secant, Regula Falsi, Newton's Method, Roots of Polynomials : Interpolation : Lagrange and Hermite Interpolation, Divided Differences, Difference Schemes, Interpolation Formulasusing Differences. Numerical Differentiation. Numerical Quadrature : Newton-Cote's Formulas. Gauss Quadrature Formulas, Chebychev's Formulas.

UNIT-III Linear Equations : Direct Methods for Solving. Systems of Linear Equations (Guass Elimination, LU Decomposition, Cholesky Decomposition), Iterative Methods (Jacobi, GaussSeidel, Relaxation Methods).

The Algebraic Eigenvalue problem : Jacobi's Method, Givens' Method, Householder's Method, Power Method, QR Method, Lanezos' Method.

UNIT-IV Ordinary Differential Equations : Euler Method, Single-step Methods, Runge-Kutta's Method, Multi-step Methods, Milne-Simpson Method, Methods Based on Numerical Integration, Methods Based on Numerical Differentiation, Boundary Value Problems, Eigenvalue Problems.

Approximation : Different Types of Approximation, Least Square Polynomial Approximation, Polynomial Approximation using Orthogonal Polynomials, Approximation with Trigonometric Functions, Exponential Functions, Chebychev Polynomials, Rational Functions.

Unit-V Monte Carlo Methods Random number generation, congruential generators, statistical tests of pseudo-random numbers.

Random variate generation, inverse tranform method, composition method, acceptancerejection method, generation of exponential, normal variates, binomial and Poisson variates.

Monte Carlo integration, hit or miss Monte Carlo integration, Monte Carlo integration for improper integrals, error analysis for Monte Carlo intergration.

REFERENCES :

1. Henry Mullish& Herbert L. Cooper, Spirit of C : An Introductionto Modern Programming, Jaico Publishers, Bombay.
2. B.W. Kernighan and D.M. Ritchie. The C Programming Language 2"d Edition, (ANSI features) Prentice Hall, 1989.
3. Peter A Darnel and Philip E. Margolis, C : A Software Engineering Approach, Narosa Publishing House, 1993.
4. Robert C. Hutehisonand Steven B. Just, Programming using C Language, McGraw Hill, 1988.
5. Les Hancock and Morris Krieger, The C Primer, McGraw Hill, 1988.
6. V. Rajaraman, Programming in C, Prentice Hall of India, 1994.
7. Byron S. Gottfried, Theory and Problems of Programming with C, tata McGraw-Hill Publishing Co. Ltd., 1998.
8. C.E. Froberg,Introduction to Numerical Analysis, (Second Edition), Addison-Wesley, 1979.
9. James B. Scarborough, Numerical Mathematical Anasysis, Oxford and IBHPublishing Co. Pvt. Ltd. 1966.
10. Melvin J. Maron, Numerical Analysis A Practical Approach, Macmillan publishing Co., Inc. New York, 1982.
11. M.K. Jain, 'S.R.K. lyengar, R.K. Jain, Numerical Methods Problems and Solutions, New Age International (P) Ltd., 1996.
12. M.K. Jain, S.R.K. lyengar, R.K. Jain, Numerical Methods for Scientific and Engineering Computation, New Age International (P) Ltd., 1999.
13. R.Y. Rubistein, Simulation and the Monte Carlo Methods, John Wiley, 1981.
14. D.J. Yakowitz Computational Probability and Simulation, Addison-Wesley, 1977.

PAPER - III - (OPTIONAL)

(IV) PRACTICAL

PROGRAMMING IN C AND NUMERICAL ANALYSIS

LIST OF PRACTICAL TO BE CONDUCTED...

1. Write a program in C to find out the largest number of three integer numbers.
2. Write a program in C to accept monthly salary from the user, find and display income tax with the help of following rules :

Monthly Salary	Income Tax
9000 or more	40% of monthly salary
7500 or more	30% of monthly salary
7499 or less	20% of monthly salary

3. Write a program in C that reads a year and determine whether it is a leap year or not.
4. Write a program in C to calculate and print the first n terms of fibonacci series using looping statement.
5. Write a program in C that reads in a number and single digit. It determines whether the first number contains the digit or not.
6. Write a program in C to computes the roots of a quadratic equation using case statement.
7. Write a program in C to find out the largest number of four numbers using function.
8. Write a program in C to find the sum of all the digits of a given number using recursion.
9. Write a program in C to calculate the factorial of a given number using recursion.
10. Write a program in C to calculate and print the multiplication of given 2D matrices.
11. Write a program in C to check that whether given string palindrome or not.
12. Write a C function seriessum () to calculate the sum of series : $1+X+1/2!\ X^2+1/3!\ X^3+\ldots\ldots 1/n!\ X^n$
13. Write a program in C to determine the grade of all students in the class using Structure. Where structure having following members - name, age, roll, sub 1, sub2, sub3, sub4 and total.
14. Write a program in C to copy one string to another using pointers. (Without using standard library functions).
15. Write a program in C to store the data of five students permanently in a data file using file handling.

PAPER - III - (OPTIONAL)
(V) MATHEMATICAL MODELLING
(Paper Code-0904) The Process of Applied mathematics.

UNIT-I Setting up first-order differential equations - Qualitative solution sketching. Difference and differential equation growth models.

UNIT-II Single-species population models. Population growth-An age structure model. The spread of Technological innovation.

UNIT-III Higher-order linear models- A model for the detection of diabetes. Combat modes.

Traffic models - Car-following models. Equilibrium speed distributions.

UNIT-IV Nonlinear population growth models. Prey-Predator models. Epidemic growth models. Models from political science - Proportional representation-cumulative voting, comparison voting.

UNIT-V Applications in Ecological and Environmental subject areas- Urban waste water management planning.

REFERENCES :

1. Differential equation models, Eds. Martin Braun, C.S. Coleman, D.A. Drew.
2. Political and Related Models, Steven. J. Brams, W.F. Lucas, P.D. Straftin (Eds.)
3. Discrete and System models, W.F. Lucas, F.S. Roberts, R.M. Thrall.
4. Life Science Models, H.M. Roberts & M. Thompson.

All volumes published as modules in applied Mathematics, Springer-Verlag, 1982.

5. Mathematical Modelling by J.N. Kapur, New Age International, New Delhi.

HEMCHAND YADAV VISHWAVIDYALAYA, DURG (C.G.)

M.A./M.Sc. (MATHEMATICS) (Semester-III)
2020-21 & Onward

There shall be five theory papers. Two compulsory and three optional. Each paper shall have 100 marks. Out of these five papers, the paper which has theory and practical both, the theory part shall have 70 marks and practical part shall have 30 marks. **Overall tally of marks in theory and practical will be 500.**

Paper		Description	Theory	Sessional	Practical	Remark
Compulsory Papers						
I		Integration Theory and Functional Analysis (I)	80	20	--	--
II		Partial Differential Equations & Mechanics (I)	80	20	--	--
Optional Papers						
III	A	Fundamentals of Computer Science (Object Oriented Programming and Data Structure)	70	--	30	For regular students only
	B	General Relativity and Cosmology (I)	80	20	--	--
	C	Fuzzy Set Theory & Its Applications (I)	80	20	--	--
	D	Mathematical Biology (I)	80	20	--	--
IV	A	Operations Research (I)	80	20	--	--
	B	Wavelets (I)	80	20	--	--
V	A	Programming in C (with ANSI Features) (I)	70	--	30	For regular students only
	B	Graph Theory (I)	80	20	--	--
	C	Algebraic Number Theory (I)	80	20	--	--

HEMCHAND YADAV VISHWAVIDYALAYA, DURG (C.G.)

Scheme of Examination

M.A./M.Sc. (MATHEMATICS) (Semester-IV)

2020-21 & Onward

There shall be five papers. Two compulsory and three optional papers. Each paper shall have 100 marks. The paper which has theory and practical both, the theory part shall have 70 marks and practical part shall have 30 marks. **Overall tally of marks in theory and practical will be 500.**

Paper		Description	Theory	Sessional	Practical	Remark
Compulsory Papers						
I		Functional Analysis (II)	80	20	--	--
II		Partial Differential Equations & Mechanics	80	20	--	--
Optional Papers						
III	A	Operating System and Database Management System	70	--	30	For regular students
	B	Cosmology (II)	80	20	--	--
	C	Fuzzy Set Theory & Its Applications	80	20	--	--
	D	Mathematical Biology(II)	80	20	--	--
IV	A	Operations Research (II)	80	20	--	--
	B	Wavelets (II)	80	20	--	--
V	A	Programming in C (with ANSI Features) (II)	70	--	30	For regular students
	B	Graph Theory (II)	80	20	--	
	C	Algebraic Number Theory	80	20	--	

M.A. History I Semester
(Session 2019–20)

प :– तीन अनिवार्य प्रश्न पत्रों के अतिरिक्त परीक्षार्थियों को कोई एक वैकल्पिक प्रश्न पत्र का यन करना होगा। प्रत्येक प्रश्न पत्र 100–100 अंकों का होगा। 100 अंकों में 80 अंक सैद्धांतिक वं 20 अंक आंतरिक मूल्यांकन के होंगे।

प्रथम सेमेस्टर (First Semester)

प्रश्न पत्र	प्रश्न पत्र का नाम	कोड संख्या	पूर्णांक	सैद्धांतिक	आंतरिक मूल्यांकन
प्रथम I	इतिहास पद्धति (अनिवार्य) Methotology of History(Compulsory)	0370 - I	100	80	20
द्वितीय II	आधुनिक विश्व (अनिवार्य) Modern world (Compulsory)	0371- I	100	80	20
तृतीय III	प्राचीन एवं मध्यकालीन छत्तीसगढ़ (अनिवार्य) Ancient and Medieval Chhattisgarh (Compulsory)	0372- I	100	80	20
वैकल्पिक प्रश्नपत्र कोई एक (Optional Paper – Any One)					
चतुर्थ (अ) IV (A)	ग्रेटब्रिटेन का इतिहास 1815–1885 (वैकल्पिक–अ) History of Great Britain 1815-1885 (Optional-A)	0373- I	100	80	20
चतुर्थ (ब) IV (B)	भारतीय इतिहास में नारी–प्राचीन एवं मध्यकालीन (वैकल्पिक–ब) Women in Indian History in Ancient &Medieval Period (Optional-B)	0374- I	100	80	20

टीप – उपरोक्त वैकल्पिक प्रश्न पत्रों अ एवं ब में से कोई एक का चयन करना होगा ।

M.A. History II Semester
(Session 2019–20)

टीप :– तीन अनिवार्य प्रश्न पत्रों के अतिरिक्त परीक्षार्थियों को कोई एक वैकल्पिक प्रश्न पत्र का चयन करना होगा। प्रत्येक प्रश्न पत्र 100–100 अंकों का होगा। 100 अंकों में 80 अंक सैद्धांतिक एवं 20 अंक आंतरिक मूल्यांकन के होंगे।

द्वितीय सेमेस्टर (Second Semester)

प्रश्न पत्र	प्रश्न पत्र का नाम	कोड संख्या	पूर्णांक	सैद्धांतिक	आंतरिक मूल्यांकन
पंचम V	इतिहास लेखन (अनिवार्य) Historigraphy (Compulsory)	0370- II	100	80	20
षष्ठम VI	समकालीन विश्व (अनिवार्य) Contemporary world (Compulsory)	0371 - II	100	80	20
सप्तम VII	आधुनिक छत्तीसगढ़ (अनिवार्य) Modern Chhattisgarh (Compulsory)	0372 -II	100	80	20
वैकल्पिक प्रश्नपत्र कोई एक (Optional Paper – Any One)					
अष्टम (अ) VIII (A)	आधुनिक इंग्लैण्ड 1885–1956 (वैकल्पिक–अ) Modern England 1885-1956 (Optional-A)	0373 - II	100	80	20
अष्टम (ब) VIII (B)	आधुनिक भारत में नारी (वैकल्पिक–ब) Women in Modern India (Optional-B)	0374 - II	100	80	20

टीप – उपरोक्त वैकल्पिक प्रश्न पत्रों अ एवं ब में से कोई एक का चयन करना होगा ।

एम.ए.इतिहास (M.A. History)
तृतीय सेमेस्टर (III Semester)
सत्र – 2019–20 (Session 2019 -20)

टीप :– परीक्षार्थी को तृतीय सेमेस्टर में समूह अ अथवा समूह ब में से कोई एक समूह का चयन करना है समूह के दोनों प्रश्नपत्र लेने होंगे अर्थात मध्यकाल अथवा आधुनिक काल में से किसी एक काल समूह का चयन कर उस समूह के दोनों अनिवार्य प्रश्नपत्र लेना है तृतीय प्रश्नपत्र राष्ट्रीय आंदोलन सभी के लिए अनिवार्य है चतुर्थ प्रश्नपत्र के रूप में तीन विकल्पों में से कोई एक चयन करना है। सभी प्रश्नपत्रों में 100–100 अंक होंगे। 80 अंक सैद्धांतिक एवं 20 अंक आंतरिक मूल्यांकन के होंगे।

तृतीय सेमेस्टर (Third Semester)

प्रश्न पत्र	प्रश्न पत्र का नाम	कोड संख्या	पूर्णांक	सैद्धांतिक	आंतरिकमूल्यांकन
Group B : Medieval India l	**समूह ब : मध्यकालीन भारत**				
अनिवार्य प्रश्नपत्र प्रथम –	सल्तनतकालीन भारतीय राजनय एवं अर्थव्यवस्था (1200 से 1526 ई. तक) Indian polity and economy in sultanate period (1200-1526 A.D.)	0380– I	100	80	20
अनिवार्य प्रश्नपत्रद्वितीय –	सल्तनत कालीन समाज एवं संस्कृति (1200 से 1526 ई.) Society and culture in Sultanate period (1200-1526 A.D.)	0381– I	100	80	20
Group C : Modern India	**समूह स : आधुनिक भारत**				
अनिवार्य प्रश्नपत्र प्रथम –	आधुनिक भारत 1757 ई. से 1857 ई. तक (राजनीतिक, प्रशासनिक) Modern India 1757 A.D. to 1857 A.D. (Political, Administrative)	0382– I	100	80	20
अनिवार्य प्रश्नपत्र द्वितीय –	आधुनिक भारत 1757 ई. से 1857 ई. तक (आर्थिक, सामाजिक, सांस्कृतिक) Modern India 1757 A.D. to 1857 A.D. (Economic, Social, Cultural)	0383– I	100	80	20
अनिवार्य तृतीय –	भारतीय राष्ट्रीय आंदोलन का इतिहास (1857 से 1922 ई. तक) History of National Movement (1857 to 1922 A.D.)	0384– I	100	80	20
	वैकल्पिक प्रश्न पत्र कोई एक (Optional Paper – Any One)				
वैकल्पिक चतुर्थ अ Optional Paper -A	भारत का सांस्कृतिक इतिहास (प्रारंभ से 1526 ई. तक) Cultural History of India (Begining to 1526 A.D.)	0385– I	100	80	20
वैकल्पिक चतुर्थ बOptional Paper -B	भारतीय संविधान और शासन व्यवस्था (Indian Constitution and Administrative System)	0386– I	100	80	20
वैकल्पिक चतुर्थ सOptional Paper -C	पर्यटन सिद्धांत Tourism Theory	0387– I	100	80	20

एम.ए. इतिहास (M.A. History)

चतुर्थ सेमेस्टर (IV Semester)

सत्र – 2019–20 (Session 2019 -20)

टीप :– परीक्षार्थी को तृतीय सेमेस्टर में समूह अ अथवा समूह ब में से कोई एक समूह का चयन करना है समूह के दोनों प्रश्नपत्र लेने होंगे अर्थात मध्यकाल अथवा आधुनिक काल में से किसी एक काल समूह का चयन कर उस समूह के दोनों अनिवार्य प्रश्नपत्र लेना है तृतीय प्रश्नपत्र राष्ट्रीय आंदोलन सभी के लिए अनिवार्य है चतुर्थ प्रश्नपत्र के रूप में तीन विकल्पों में से कोई एक चयन करना है। सभी प्रश्नपत्रों में 100–100 अंक होंगे। 80 अंक सैद्धांतिक एवं 20 अंक आंतरिक मूल्यांकन के होंगे।

चतुर्थ सेमेस्टर (Forth Semester)

प्रश्न पत्र	प्रश्न पत्र का नाम	कोड संख्या	पूर्णांक	सैद्धांतिक	आंतरिक मूल्यांकन
Group B : Medival India	**समूह ब : मध्यकालीन भारत**				
अनिवार्य प्रश्नपत्र पंचम –	मुगलकालीन भारतीय राजनय एवं अर्थव्यवस्था (1526 से 1750 ई. तक)- Indian Politiy and Economy in Mughal Period (1526-1750 A.D.)	0380–II	100	80	20
अनिवार्य प्रश्नपत्र षष्ठम–	मुगलकालीन समाज एवं संस्कृति (1526 से 1750 ई.) Society and Culture in Mughal Period (1526-1750 A.D.)	0381–II	100	80	20
Group C : Morden India	**समूह स : आधुनिक भारत**				
अनिवार्य प्रश्नपत्र पंचम –	आधुनिक भारत 1858 ई. से 1964 ई. तक (राजनीतिक, प्रशासनिक) Modern India 1858 A.D. to 1964 A.D. (Political, Administrative)	0382–II	100	80	20
अनिवार्य प्रश्नपत्र षष्ठम–	आधुनिक भारत 1858 ई. से 1964 ई. तक (आर्थिक, सामाजिक, सांस्कृतिक) Modern India 1858 A.D. to 1964 A.D. – Economic, Social, Cultural)	0383–II	100	80	20
अनिवार्य प्रश्नपत्र सप्तम–	भारतीय राष्ट्रीय आंदोलन का इतिहास (1922 से 1947 ई. तक) History of Indian National Movement (1922 to 1947 A.D.)	0384–II	100	80	20
	वैकल्पिक प्रश्न पत्र **(Optional Paper)**				
वैकल्पिक अष्टम अ Optional Paper -A	भारत का सांस्कृतिक इतिहास (1526 ई. से 1950 ई. तक) Cultural History of India (1526 A.D. to 1950 A.D.)	0385–II	100	80	20
वैकल्पिक अष्टम ब Optional Paper -B	भारत में केन्द्रीय तथा प्रांतीय शासन व्यवस्था Central and State Administrative System of India	0386–II A	100	80	20
वैकल्पिक अष्टम स Optional Paper - C	पर्यटन सिद्धांत एवं व्यवहार–इतिहास के संदर्भ में Tourism-Theory and Principles In Reference of History	0387–II	100	80	20

M.Com Vth Semester

Special attention to the Students. Students are required to select any one Specialization out of four suggested below.

Optional – Specialization

Optional Group	–	(A)	Marketing
Optional Group	–	(B)	Management
Optional Group	–	(C)	Banking and Insurance
Optional Group	–	(D)	Taxation and Accounting
Optional Group	–	(A)	विपणन (Marketing)

प्रश्न पत्र	प्रश्नपत्र का नाम	पूर्णांक	पेपर कोड
Paper – A I प्रश्न पत्र–A I	विपणन के सिद्धान्त (Principle of Marketing)	80+20	401
Paper – A II प्रश्न पत्र–A II	विज्ञापन एवं विक्रय प्रबन्ध (Advertising & Sales Management)	80+20	402
Paper – A III प्रश्नपत्र–A III	विपणन अनुसन्धान (Marketing Research)	80+20	403
Paper – A IV प्रश्नपत्र –A IV	अन्तर्राष्ट्रीय विपणन (International Marketing)	80+20	404

Optional Group- (B)

प्रबन्ध (Management)

प्रश्न पत्र	प्रश्नपत्र का नाम	पूर्णांक	पेपर कोड
Paper – B I प्रश्न पत्र –B I	वित्तीय प्रबन्ध (Financial Management)	80+20	411
Paper – B II प्रश्न पत्र –B II	कार्मिक प्रबन्ध (Personnel Management)	80+20	412
Paper – B III प्रश्न पत्र–B III	उत्पादन प्रबन्ध (Production Management)	80+20	413
Paper – B IV प्रश्न पत्र–B IV	व्यूहरचना प्रबन्ध (Strategic Management)	80+20	414

Optional Group-(C)

बैंकिंग एवं बीमा (Banking and Insurance)

प्रश्न पत्र	प्रश्नपत्र का नाम	पूर्णांक	पेपर कोड
Paper – C I प्रश्न पत्र–C I	बैंकिंग व्यवहार (Banking Practices)	80+20	421
Paper – C II प्रश्न पत्र–C II	भारत में बैंकिंग संस्थाए (Banking Institution in India)	80+20	422
Paper – C III प्रश्न पत्र–C III	जीवन बीमा (Life Insurance)	80+20	423
Paper – C IV प्रश्न पत्र–C IV	सामान्य बीमा (General Insurance)	80+20	425

Optional Group–(D)

करारोपण एवं लेखांकन

(Taxation and Accounting)

प्रश्न पत्र	प्रश्नपत्र का नाम	पूर्णांक	पेपर कोड
Paper – D I प्रश्न पत्र–D I	भारत में प्रत्यक्ष कर (Direct Tax in India)	80+20	431
Paper – D II प्रश्न पत्र–D II	अप्रत्यक्ष कर (Indirect Tax)	80+20	432
Paper – D III प्रश्न पत्र–D III	सेवा के क्षेत्र में लेखांकन (Accounting in Service Sector)	80+20	433
Paper – D IV प्रश्न पत्र–D IV	लेखांकन पद्धतियाँ (Accounting Methods)	80+20	434

Optional Group–(E)

व्यसायिक वातावरण एवं वित तथा शोध

(Business Environment & Finance and Research)

प्रश्न पत्र	प्रश्नपत्र का नाम	पूर्णांक	पेपर कोड
Paper – E I प्रश्न पत्र– E I	व्यसायिक वातावरण (Business Environment)	80+20	431
Paper – E II प्रश्न पत्र– E II	वित्तीय संस्थाएं (Financial Institutions)	80+20	432
Paper – E III प्रश्न पत्र– E III	शोध प्रविधि (Research Methodology)	80+20	433
Paper – E IV प्रश्न पत्र–E IV	प्रतिभूति विश्लेषण (Security Analysis)	80+20	434