

Name of University : Hemchand Yadav University, Durg, CG

Optional/Elective course List.

B.A. III English Literature. Year 2021-22

Name of Paper	Code No.	Max Marks.
II (A) American Literature	0236	75
II (B) 20 <sup>th</sup> Century English Literature	0237	75

B.Com III Group A ( Management Area)

Name of Paper	Code No.	Max Marks.
I. Financial Management	1157	75
II. Financial Market Operation	1158	75

B.Com III Group B ( Marketing Area)

Name of Paper	Code No.	Max Marks.
I. Principles of Marketing	1159	75
II. International Marketing	1160	75

B.Com III Group C ( Commercial Area)

Name of Paper	Code No.	Max Marks.
I. Information Technology and its Application in business	1161	75
II. Essentials of E-commerce	1162	75

M.Com IV Semester Group A ( Marketing )  
\* 80 marks for Semester Examination \* 20 marks for internal assessment.

Name of Paper	Code No.	Max Marks.
I. Principles of Marketing	401	100 (80+20)*
II. Advertising & Sales Management	402	100 (80+20)*
III. Marketing & Research	403	100 (80+20)*
IV. International Marketing	404	100 (80+20)*

M.Com IV Semester Group B ( Management )

Name of Paper	Code No.	Max Marks.
I. Financial Management	411	100 (80+20)*
II. Personal Management	412	100 (80+20)*
III. Production Management	413	100 (80+20)*
IV. Strategic Management	414	100 (80+20)*

M.Com IV Semester Group C ( Banking & Insurance )

Name of Paper	Code No.	Max Marks.
I. Banking Practices	421	100 (80+20)*
II. Banking Institutions in India	422	100 (80+20)*
III. Life Insurance	423	100 (80+20)*
IV. General Insurance	425	100 (80+20)*

M.Com IV Semester Group D ( Taxation & Accounting )

Name of Paper	Code No.	Max Marks.
I. Direct Tax	431	100 (80+20)*
II. Indirect Tax	432	100 (80+20)*
III. Accounting in Service Sector	433	100 (80+20)*
IV. Accounting Methods	434	100 (80+20)*

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**PRINCIPAL**  
Govt. N.C.J. College  
Dalli Rajhara, Chhattisgarh

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B.Com III Group D (Money, Banking & Insurance Area)

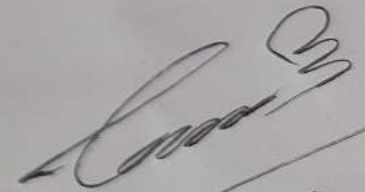
M.Com IV Semester Group E ( Business Environment, )  
Finance & Research. )

Name of Paper	Code No.	Max Marks.	Name of Paper	Code No.	Max Marks.
I. Fundamentals of Insurance	1162	75	I. Business Environment	431	100 (80+20)*
II. Money & Banking System	1163	75	II. Financial Institution.	432	100 (80+20)*
			III. Research Methodology		100 (80+20)*
			IV. Security Analysis		100 (80+20)*

B.Sc III (Mathematics)group

Name of Paper	Code No.	Max Marks.
I Principles of Computer Science	0900	50
II. Discrete Mathematics B	0901	50
III. Application of Mathematics in finance and insurance C	0902	50
IV. Programming in C and Numerical analysis	903	50
V. Mathematical Modling	0904	50

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**PRINCIPAL**  
Govt. N.C.J. College  
Dalli Rajhara, Chhattisgarh

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

All questions are compulsory.

- Note :
1. Unit-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 -

Walt 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 Acceptance Speech

W. Carlos Williams

In the American Grain

Walt Whitman

Preface to "Leaves of Grass"

Miller

All My Sons

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. S. Ghosh*      *DR. MERILEY ROY*  
*Dring*



**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 questions 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 Sassoon (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** T.S. Eliot - 'The Waste Land' (15 marks)

Or

- Wilfred Owen - 'Disabled'
- Siegfried Sassoon - 'Attack', 'Falling Asleep'
- Rupert Brooke - 'The Hill'
- W.H. Auden - 'Miss Gee'

**UNIT-IV** Joseph Conrad - 'Heart of Darkness' (15 marks)

Or

- Chinua Achebe - 'Things Fall Apart' (10 marks)
- (Non Fictional Prose)
- Virginia Woolf - 'The Death of the Moth'
- Graham Greene - 'The Lost Childhood' (15 marks)
- (Drama)
- Bernard Shaw - 'Pygmalion'

**UNIT-VI** Samuel Beckett - 'Waiting for Godot'

*Dr. M. C. Mahalingam*

*Dr. S. S. Srinivasan*

*DR. MERILY ROY*

*Dr. M. C. Mahalingam*

**PAPER - III - (OPTIONAL)**

**(D) 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 Evolution of 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** Artificial Intelligence - Some Philosophical Issues, Image Analysis, Reasoning, Control System Activities, Using Heuristics, Artificial Neural Networks, Application of Artificial Intelligence.

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

**REFERENCES :**

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



PAPER - III - (OPTIONAL)

(III) APPLICATION OF MATHEMATICS IN FINANCE AND INSURANCE

(Paper Code-0902)

Application of Mathematics in Finance :

CNIT-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.

CNIT-II Meaning of return. Return as Internal Rate of Return (IRR). Numerical

Methods like Newton Raphson Method 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.

CNIT-III Taylor series and Bond Valuation. Calculation of Duration and Convexity of bonds. Financial Derivatives - 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**

CNIT-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 exposurefeature 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.

CNIT-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.

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-Air age structure model. The spread of Technological innovation.

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

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 Brann, C.S. Coleman, D.A. Drew
2. Political and Related Models, Steven J. Brann, W.F. Lucas, P.D. Straffin (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



### PAPER - III - (OPTIONAL)

Theory component will have maximum marks 30.

Practical component will have maximum marks 20.

#### IV) PROGRAMMING IN C AND NUMERICAL ANALYSIS (Theory & Practical) (Paper Code-0903)

**CNII-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, Pipetting of strings. Structures, Pointers, File formatting.

#### Numerical Analysis

**CNII-II** Solution of Equations : Bisection, Secant, Regula Falsi, Newton's Method, Roots of Polynomials : Interpolation : Lagrange and Hermite Interpolation. Divided Differences, Difference Schemes, Interpolation Formulas using Differences. Numerical Differentiation. Numerical Quadrature : Newton-Cotes Formulas. Gauss Quadrature Formulas, Chebyshev's Formulas.

**CNII-III** Linear Equations : Direct Methods for Solving Systems of Linear Equations (Gauss Elimination, LU Decomposition, Cholesky Decomposition). Iterative Methods (Jacobi, Gauss-Seidel, Relaxation Methods).

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

**CNII-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, Chebyshev Polynomials, Rational Functions.

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

Random variate generation, inverse transform method, composition method, acceptance-rejection 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 integration.



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**M.Com V<sup>th</sup> 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

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**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 IV प्रश्न पत्र-C IV	सामान्य बीमा (General Insurance)	80+20	425
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# Hemchand Yadav Vishwavidyalaya, Durg (C.G.)

## SYLLABUS

### B.COM. PART-III

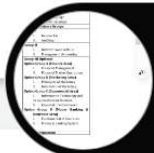
#### INDEX

<b>Revised Ordinance No. 23 Scheme of Examination</b>
<b>Foundation Course</b> I. Hindi Language II. English Language
<b>Compulsory Groups</b>
<b>Group-I</b> I. Income Tax II. Auditing
<b>Group-II</b> I. Indirect Taxes with GST II. Management Accounting
<b>Group-III Optional</b> <b>Option Group A (Finance Area)</b> I. Financial Management II. Financial Market Operations <b>Option Group B (Marketing Area)</b> I. Principles of Marketing II. International Marketing <b>Option Group C (Commercial Area)</b> I. Information Technology and its Applications in Business II. Essential of e-Commerce <b>Option Group D (Money Banking &amp; Insurance Area)</b> I. Fundamental of Insurance II. Money & Banking System
<b>Computer Application</b>

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

All questions are compulsory.

- Note :
1. Unit-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)

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O Captain ! My Captain, when the Lilacs Last in the Dooryard Bloomed.

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'Who Am I?', 'I am the People, The Mob'

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'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 Acceptance Speech

W. Carlos Williams

In the American Grain

Walt Whitman

Preface to "Leaves of Grass"

**UNIT-V** Drama -

Miller

All My Sons

Eugene O'Neill

The Hairy Ape

**UNIT-VI** Fiction -

E. Hemingway

A Farewell to Arms

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 :**

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**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 questions 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 Sassoon (1886-1967)
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**UNIT-III** T.S. Eliot - 'The Waste Land' (15 marks)

Or

- Wilfred Owen - 'Disabled'
- Siegfried Sassoon - 'Attack', 'Falling Asleep'
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**UNIT-VI** Samuel Beckett - 'Waiting for Godot'

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