Scheme of Programme

(Scheme UG A2: Undergraduate Programmes (Single Major)

Semester I

Course Code	Course Title	Course ID	L	T	P	L	T	P	Total Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
Core Course(s)														
CC-A1	Micro Economics-I		3	1	-	3	1	-	4	30	70	-	-	100
CC-A2	Macro Economics-I		3	1	-	3	1	-	4	30	70	-	-	100
CC-A3	Mathematics for Economic Analysis-I		3	1	-	3	1	-	4	30	70	-	-	100
Minor/ Vocational Course(s)														
MIC-1	One from Pool		1	1	-	1	1	-	2	15	35	-	-	50
Multidisciplinary Course(s)														
MDC-1	One from Pool		2	1	-	2	1	-	3	25	50	-	-	75
Ability Enhancement Course(s)														
AEC-1	One from Pool		2	-	-	2	-	-	2	15	35	-	-	50
Skill Enhancement Course(s)														
SEC-1	One from Pool		2	-	2	2	-	1	3	15	35	5	20	75
Value-added Course(s)														
VAC-1	One from Pool		**2**	**-**	**-**	**2**	**-**	**-**	2	15	35	-	-	50
Total Credits									**24**					**600**

Neera Verma

Semester II

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
Core Course(s)														
CC-A4	Micro Economics-II		3	1	-	3	1	-	4	30	70	-	-	100
CC-A5	Macro Economics-II		3	1	-	3	1	-	4	30	70	-	-	100
CC-A6	Statistics for Economic Analysis-I		3	1	-	3	1	-	4	30	70	-	-	100
Minor/ Vocational Course(s)														
MIC-2	One from Pool		1	1	-	1	1	-	2	15	35	-	-	50
Multidisciplinary Course(s)														
MDC-2	One from Pool		2	1	-	2	1	-	3	25	50	-	-	75
Ability Enhancement Course(s)														
AEC-2	One from Pool		2	-	-	2	-	-	2	15	35	-	-	50
Skill Enhancement Course(s)														
SEC-2	One from Pool		2	-	2	2	-	1	3	15	35	5	20	75
Value-added Course(s)														
VAC-2	One from Pool		**2**	**-**	**-**	**2**	**-**	**-**	2	15	35	-	-	50
Total Credits									**24**					**600**

Meera Verma

Semester III

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
Core Course(s)														
CC-A7	Indian Economy: Problems and Prospects-I		3	1	-	3	1	-	4	30	70	-	-	100
CC-A8	Mathematics for Economic Analysis-II		3	1	-	3	1	-	4	30	70	-	-	100
CC-A9	Development Economics-I		3	1	-	3	1	-	4	30	70	-	-	100
Minor/ Vocational Course(s)														
MIC-3	One from Pool		3	1	-	3	1	-	4	30	70	-	-	100
Multidisciplinary Course(s)														
MDC-3	One from Pool		2	1	-	2	1	-	3	25	50	-	-	75
Ability Enhancement Course(s)														
AEC-3	One from Pool		2	-	-	2	-	-	2	15	35	-	-	50
Total Credits									**21**					**525**

Semester IV

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
Core Course(s)														
CC-A10	Indian Economy: Problems and Prospects-II		3	1	-	3	1	-	4	30	70	-	-	100
CC-A11	Statistics for Economic Analysis-II		3	1	-	3	1	-	4	30	70	-	-	100
CC-A12	Development Economics-II		3	1	-	3	1	-	4	30	70	-	-	100
Minor/ Vocational Course(s)														
MIC-4	One from Pool		3	1	-	3	1	-	4	30	70	-	-	100
Ability Enhancement Course(s)														
AEC-4	One from Pool		2	-	-	2	-	-	2	15	35	-	-	50
Value-added Course(s)														
VAC-3	One from Pool		2	-	-	2	-	-	2	15	35	-	-	50
Total Credits									**20**					**500**

Semester V

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
Core Course(s)														
CC-A13	International Economics-I		3	1	-	3	1	-	4	30	70	-	-	100
CC-A14	Public Finance-I		3	1	-	3	1	-	4	30	70	-	-	100
CC-A15	Econometrics		3	1	-	3	1	-	4	30	70	-	-	100
Minor/ Vocational Course(s)														
MIC-5	One from Pool		3	1	-	3	1	-	4	30	70	-	-	100
Skill Enhancement Course(s)														
Internship									4					100
Total Credits									**20**					**500**

Yaara Verma

Semester VI

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
Core Course(s)														
CC-A16	International Economics-II		3	1	-	3	1	-	4	30	70	-	-	100
CC-A17	Public Finance-II		3	1	-	3	1	-	4	30	70	-	-	100
CC-A18	Financial Institutions and Markets		3	1	-	3	1	-	4	30	70	-	-	100
Minor/ Vocational Course(s)														
MIC-6	One from Pool		3	1	-	3	1	-	4	30	70			100
MIC/ VOC-7	One from Pool		2	-	4	2	-	2	4	15	35	15	35	100
Skill Enhancement Course(s)														
SEC-3	One from Pool		2	-	2	2	-	1	3	15	35	5	20	75
Total Credits									**23**					**575**

1. ***The curriculum of semester 7 and 8 will is provided in due course of time.***

Yana Verma

Semester-wise Course Structure of the B.A. (Major) in Economics Program

	Minor	MDC	SEC	VAC	VOCATIONAL
SEM-I	Banking System in India	Economic Environment in India	Data Types and Sources	--------------	------------
SEM-II	Basics of Monetary Economics	Problems of Indian Economy	Computer Application in Economic Analysis	-----------	------------------
SEM-III	Economy of Haryana	Fundamentals of Economics	--------------	-------------	-----------------
SEM-IV	Economic History of India	-----------------	-----------------	Sustainable Development	---------------
SEM-V	Indian Economic Thought	---------------	----------------	-------------------	--------------
SEM-VI	Gender and Development	---------------	Research Methodology	-------------	Introduction of Data Analysis

Nena Verma

Multidisciplinary Course from the department for pool of the Courses in the University

(These courses are to be offered to students of different discipline/Subject)

Semester I

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
MDC-1 One from Pool	Economic Environment in India		2	1	-	2	1	-	3	25	50	-	-	75

Semester II

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
MDC-2 One from Pool	Problems of Indian Economy		2	1	-	2	1	-	3	25	50	-	-	75

Semester III

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
MDC-3 One from Pool	Fundamentals of Economics		2	1	-	2	1	-	3	25	50	-	-	75

Minor Course from the department for pool of the Courses in the University

(These courses are offered by each department for students of other departments/same department to gain a broader understanding beyond the major discipline)

Semester I

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
MIC-1 One from Pool	Banking System in India		1	1	-	1	1	-	2	15	35	-	-	50

Semester II

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
MIC-2 One from Pool	Basics of Monetary Economics		1	1	-	1	1	-	2	15	35	-	-	50

Semester III

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
MIC-3 One from Pool	Economy of Haryana		3	1	-	3	1	-	4	30	70			100

Semester- IV

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
MIC-4 One from Pool	Economic History of India		3	1	-	3	1	-	4	30	70			100

Semester V

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
MIC-5 One from Pool	Indian Economic Thought		3	1	-	3	1	-	4	30	70			100

Neera Verma

Semester VI

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
MIC-6 One from Pool	Gender and Development		3	1	-	3	1	-	4	30	70			100

Vocational Course from the department for pool of the Courses in the University

(These courses are offered by each department for students of other departments/same department and is focused on practical work, preparing students for a particular skilled profession.

Semester VI

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
VOC-7	Introduction of Data Analysis		2	-	4	2	-	2	4	15	35	15	35	100

Skill Enhancement Course from the department for pool of the Courses in the University

(These courses are offered by each department for students of other departments/same department and is designed to provide value-based and/or skill-based knowledge and should contain both theory and lab/hands-on/training/field work.)

Semester I

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
SEC-1	Data Types and Sources		2	-	2	2	-	1	3	15	35	5	20	75

Semester II

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
SEC-2	Computer Application in Economic Analysis		2	-	2	2	-	1	3	15	35	5	20	75

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Semester VI

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
SEC-3	Research Methodology		2	-	2	2	-	1	3	15	35	5	20	75

Semester VIII

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
SEC-4/ Field Training One from Pool/ Discipline specific course	Industrial Economics/ Welfare Economics/ Economics of Health and Education													

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Ability Enhancement Course from the department for pool of the Courses in the University

(These courses are offered by department of Indian and Foreign Languages for students of other departments/same department and leads to enhancement in the ability of learn Regional and foreign languages)

Semester I

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
AEC-1	English Language and Communication: Level-1 OR हिंदी भाषा एव. सम्प्रेषण-1 OR संस्कृत भाषा एव. सम्प्रेषण-1		2	-	-	2	-	-	2	15	35	-	-	50

Semester II

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
AEC-2	English Language and Communication: Level-2 OR हिंदी भाषा एव. सम्प्रेषण-2 OR संस्कृत भाषा एव. सम्प्रेषण-2		2	-	-	2	-	-	2	15	35	-	-	50

Semester III

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
AEC-3	English Language and Communication: 3 OR हिंदी भाषा एव. सम्प्रेषण-3 OR संस्कृत भाषा एव. सम्प्रेषण-3		2	-	-	2	-	-	2	15	35	-	-	50

Semester IV

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
AEC-4	English Language and Communication: Level-4 OR हिंदी भाषा एव. सम्प्रेषण-4 OR संस्कृत भाषा एव. सम्प्रेषण-4		2	-	-	2	-	-	2	15	35	-	-	50

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Value Added Course from the department for pool of the Courses in the University

(All the departments will offer value-added courses for semester 3 for the students of the same or different departments. In the first year, students will study (i) Human Values and Ethics and (ii) Environmental Studies as value added course)

Semester I

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
VAC-1	Human Values and Ethics OR Environmental Studies		2	-	-	2	-	-	2	15	35	-	-	50

Semester II

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
VAC-2	Human Values and Ethics OR Environmental Studies		2	-	-	2	-	-	2	15	35	-	-	50

Neera Verma

Semester IV

Course Code	Course Title	Course ID	L	T	P	L	T	P	Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
VAC-3	Sustainable Development		2	-	-	2	-	-	2	15	35	-	-	50

Yama Verma

Nature of Work	Course Credits	Contact hours per week	Contact hours per semester (15 weeks)
Lecture	01	01	15
Tutorial per paper	01	01	15
Practical, Seminar, Internship, field practice/project, or community engagement, etc.	01	02	30

Note: Tutorial batch size (UG programme: 20-25, PG Programme: 12-15)

The distribution of credits among the lectures/tutorial/practicum will be as follows:

Courses	Total Credits	L (Credits)	T (Credits)	P (Credits)	MARKS			
					TI	TE	PI	PE
Only Theory	4	3 (3 hrs)	1	-	30	70	-	-
	3	2 (2 hrs)	1	-	25	50	-	-
	2	1	1	-	15	35	-	-
Theory and Practicum	4	3 (3 hrs)	-	1 (2 hrs)	25	50	5	20
	4 (Where pract. is dominant)	2 (2 hrs)	-	2 (4 hrs)	15	35	15	35
	3	2 (2 hrs)	-	1 (2 hrs)	15	35	5	20
	2	1	-	1 (2 hrs)	5	20	5	20
When Practicum is separate course	2	-	-	2 (4 hrs)	-	-	15	35
	3	-	-	3 (6 hrs)	-	-	25	50
	4	-	-	4 (8 hrs)	-	-	30	70
AEC/VAC	2	2 (2 hrs)			15	35	-	-
SEC	3	2 (2 hrs)		1 (2 hrs)	15	35	5	20
	2	1		1 (2 hrs)	5	20	5	20
DSEC	4	3 (3 hrs)		1 (2 hrs)	25	50	5	20
Minor/VOC	4	2 (2 hrs)		2 (4 hrs)	15	35	15	35
Internship	4	--	--	4			100	

L= Lecture; T= Tutorial, P= Practicum; Ti= Theory Internal Assessment; TE= Theory End Semester Examination; PI= Practicum Internal; PE= Practicum End Semester examination

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Semester -I

CC-A1
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	I		
Name of the Course	**Micro Economics-I**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	**CC**		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Understand the meaning, nature, and scope of Economics, its methods, and why it is studied. CO2: Inculcate the ability to think like an Economist, the Economist as a Scientist, and as a Policy Adviser. CO3: Understand the nature of economic problems. CO4: Understand and apply the concepts of demand, supply and elasticity, including application in real-world economic situations. CO5: Comprehend and analyze the consumer behavior and decision in both cardinal and ordinal terms. CO6: Comprehend and apply the concepts of production analysis and cost and revenue analysis in various market conditions and real-world economic situations.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	**Introduction and Basic Concepts:** Nature and scope of Economics, Basic Economic Problem - Choice and Scarcity, production possibility curve, Methodology of Economics- Inductive and Deductive methods, Positive vs. Normative Economics, Static and Dynamic Analysis, Partial vs. General Equilibrium Analysis.	15

Veena Verma

II	**Demand and Supply:** Individual Demand & Market Demand; Law of Demand; Change in quantity demanded and change in demand, Types of Goods (Normal, Inferior, and Giffen); Demand Determinants; Supply and its Determinants; Law of Supply; Market Equilibrium. Elasticity and Its Measurement: Types of Elasticity of Demand: Price, Income, and Cross Elasticity; Measurement of Elasticity of Demand; Determinants of Price Elasticity of Demand.	15
III	**Consumer Equilibrium:** Cardinal Utility Analysis -Law of Diminishing Marginal Utility, Law of Equi-Marginal Utility, Consumer Equilibrium. Ordinal Utility Analysis -Indifference Curve, Properties of Indifference Curve, Budget Line, Equilibrium of Consumer, Price, Income, and Substitution effects (Hicks-Allen & Slutsky method), Consumer Surplus (Marshall & Hicks)	15
IV	**Production Analysis:** Production Function, Basic Concepts, Laws of Returns to Factor; Law of Returns to Scale (Increasing, Decreasing, and Constant) Cost and Revenue Analysis: Types of Cost: Traditional short run and long run cost curves and their interrelation; Modern Theory of cost, TR, MR, AR, and their relationships.	15

Suggested Evaluation Methods

Internal Assessment: 30 ➢ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 Mid Term Exam :20	**End Term Examination:70** **Theory**

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Ahuja, H. L. (2012). *Ucchatar arthik siddhant*. S. Chand & Company.
- Browning, E. K., & Browning, J. M. (1986). *Microeconomic theory and applications* (2nd ed.). Kalyani Publishers.
- Dwivedi, D. N. (2011). *Microeconomics: Theory and Applications*. Pearson.
- Koutsoyiannis, A. (1979). *Modern microeconomics* (2nd ed.). Macmillan Press.
- Mankiw, N. G. (2012). *Principles of microeconomics* (6th ed.). South-Western Cengage Learning.
- Salvatore, D. (2006). *Microeconomics: Theory and Applications*. Oxford University Press.
- Varian, H. R. (2003). *Intermediate microeconomics*. East-West Press.

CC-A2
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	I		
Name of the Course	**Macro Economics-I**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Comprehend why macroeconomics emerged as a separate discipline. CO2: Understand the nature of macro–economic aggregates. CO3: Comprehend the Income Accounting methods of the Government of India. CO4: Compare and contrast the Classical and Keynesian approaches in terms of income determination, and understand why output falls short of the productive capacity. CO5: Understand the concepts of consumption and investment and the need for Government intervention in the modern economy.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	Introduction: Nature and Scope of Macro Economics, Difference between Micro and Macro Economics, and Importance of Macro Economics. National Income: Concepts, Measurement, and Limitations of National Income Statistics, Circular flow of income in Two, Three, and Four Sector Economy.	15
II	Say Law of Market, Classical theory of Income and Employment determination, Keynes objections to Classical Theory, Keynesian Theory of Income and Employment determination.	15
III	Consumption: Consumption Function, Technical Attributes of Consumption, Keynesian Psychological Law of Consumption and its Implications. Income - Consumption Relationship: Absolute, Relative, and Permanent Income Hypothesis, Life Cycle Hypothesis.	15
IV	Investment Function: Types of Investment, Determination of the level of	

	Investment. Measures to Stimulate Private and Public Investment. Marginal Efficiency of Capital (MEC), and factors affecting it. Rate of Interest: concept and its Types. Relationship between MEC and Rate of Interest.	15

Suggested Evaluation Methods	
Internal Assessment: 30 ➢ **Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)** Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 Mid Term Exam :20	**End Term Examination:70 Theory**

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Shapiro, E. (1996). *Macroeconomic analysis*. Galgotia Publications.
- Dornbusch, R., & Fischer, S. (1999). *Macroeconomics* (7th ed.). Irwin McGraw-Hill.
- Lipsey, R. G., & Chrystal, K. A. (2007). *Economics*. Oxford University Press.
- Ackley, G. (1978). *Macroeconomics: Theory and policy*. Macmillan.
- Mankiw, N. G. (2000). *Macroeconomics* (4th ed.). Worth Publishers.
- Samuelson, P. A., & Nordhaus, W. D. (2005). *Economics* (18th ed.). Tata McGraw-Hill.
- Lekhi, R. K. (2016). *Macroeconomics: Part I*. Kalyani Publishers.

CC-A3
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	I		
Name of the Course	**Mathematics for Economic Analysis-I**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC		
Course Outcomes (CO)	After completing this course, students will be able to: CO1: Understand and apply basic mathematical concepts such as sets, equations, and matrices in economic analysis. CO2: Solve linear and quadratic equations and interpret their relevance in economic problems. CO3: Apply matrix methods (inverse and Cramer's rule) to solve systems of equations used in Economic models. CO4: Use differentiation techniques to analyse economic relationships like elasticity of demand and supply. CO5: Understand partial derivatives and optimization techniques for solving Economic problems involving maxima and minima.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	**Sets and Equations**. Meaning and types of sets. Set operations and their economic applications. Solution of linear equations in two variables and their economic applications. Solution of quadratic equations	15
II	**Matrices and Determinants**. Concept and types of matrices. Simple operations on matrices. Determinants: meaning and properties. Adjoint, inverse, and rank of a matrix. Solution of simultaneous linear equations (up to three variables) using Matrix inversion method and Cramer's rule	15
III	**Differentiation and Its Applications**. Meaning and rules of differentiation. Differentiation of logarithmic and exponential functions. Economic applications: Elasticity of demand and Elasticity of supply.	15
IV	**Partial Derivatives and Optimization**. Partial derivatives: meaning and uses. Homogeneous functions and Euler's theorem. Maxima and minima of functions of a single variable. Economic applications of optimization.	15

<table>
<tr><td></td><td></td><td></td></tr>
<tr><td colspan="3">Suggested Evaluation Methods</td></tr>
<tr><td colspan="2">Internal Assessment: 30
➢ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)
Attendance :5
Seminar/Presentation/Assignment/Quiz/Class Test etc. :5
Mid Term Exam :20</td><td>End Term Examination:70
Theory</td></tr>
<tr><td colspan="3">Part-C Learning Resources</td></tr>
<tr><td colspan="3">Recommended Books/E-Resources/LMS:
• Chiang, A. C., & Wainwright, K. (2005). Fundamental methods of mathematical economics (4th ed.). McGraw-Hill.
• Sydsaeter, K., Hammond, P., Strøm, A., & Carvajal, A. (2016). Essential mathematics for economic analysis (5th ed.). Pearson.
• Dowling, E. T. (2011). Introduction to mathematical economics (3rd ed.). Schaum’s Outline Series, McGraw-Hill.
• Allen, R. G. D. (1967). Mathematical analysis for economists. Macmillan.
• Mehta, B. C., & Madnani, G. M. K. (2012). Mathematics for economists. Sultan Chand & Sons.
• Gupta, S. P., & Kapoor, V. K. (2014). Fundamentals of mathematical statistics. Sultan Chand & Sons.
• Char, S. L. (2010). Mathematics for economics. Sultan Chand & Sons.</td></tr>
</table>

MIC-1
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	I		
Name of the Course	**Banking System in India**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MIC		
Course Outcomes (CO)	At the end of this course, the learner will be able to – CO1: Understand the structure of the banking system in India. CO2: Gain knowledge of the functions of Commercial, Regional Rural Banks, and Cooperative Banks. CO3: Understand the role and functions of RBI in the banking system of India. CO4: Comprehend the process of credit creation. CO5: Understand the problem of Non-Performing Assets (NPA).		
Credits	Theory	Tutorial	Total
	01	1	02
Contact Hours	01	1	02
Max. Marks: 50 **Internal Assessment Marks: 15** **End Term Exam Marks: 35**	**Time: 2 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

- Five Questions will be set in all, and students will be required to attempt three questions.
- Question No. 1 will be compulsory and will consist of 5 short-answer type questions of 3 marks spread over the entire syllabus (5*3=15 marks).
- For the remaining two questions, students will attempt 1 out of 2 questions from each of the two units (10 marks each).

Unit	Topics	Contact Hours
I	Bank and Banking System, Commercial Banks in India: Functions, Importance, and Structure, Credit Creation, Problem of Non-Performing Assets (NPA).	15
II	Regional Rural Banks, Cooperative Banks. Reserve Bank of India (RBI). Banker and Consumer Relationship.	15

Suggested Evaluation Methods

Internal Assessment: 15	End Term Examination: 35
➢ **Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)** Attendance : 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. : Mid Term Exam :10	**Theory**

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Dwivedi, D. N. (2016). *Principles of economics* (2nd ed.). Vikas Publishing House.
- Dutt, R., & Sundaram, K. P. M. (2020). *Indian economy* (Latest ed.). S. Chand.
- Agarwal, A. N. (2019). *Indian economy: Problems of development and planning* (Revised ed.). New Age International.
- Mishra, S. K., & Puri, V. K. (2021). *Indian economy* (Latest ed.). Himalaya Publishing House.

MDC-1
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	I		
Name of the Course	**Economic Environment in India**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MDC		
Course Outcomes (CO)	At the end of the course, the student will be able to: CO1: Comprehend the meaning and components of Indian Economic Environment. CO2: Understand the basic features of the Indian Economy. CO3: Understand the dynamics of population in India. CO4: Understand the features and significance of Indian Planning and NITI Aayog. CO5: Comprehend the development issues in the industrial sector in India during the planning period. CO6: Understand the features and limitations of New Economic Policy.		
Credits	Theory	Tutorial	Total
	02	1	03
Contact Hours	02	1	03
Max. Marks: 75 **Internal Assessment Marks: 25** **End Term Exam Marks: 50**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Seven Questions will be set in all, and students will be required to attempt 4 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining three questions, students will attempt 1 out of 2 questions from each of the three units (12 marks each).

Unit	Topics	Contact Hours
I	Indian Economic Environment – Concept, Components and Importance, Basic characteristics and features of the Indian economy. Features of India's population.	15
II	Economic Planning in India: Features, Objectives, and Assessment of Indian Planning. NITI Aayog Industrial development in India: Industrial development during the period of planning, Role, problems, and Government measures of Industrial development	15
III	Public and Private Sectors in India: Objectives, significance and limitations. Role of Government in the Growth of the Private Sector. Features of New Economic Policy 1991: Liberalisation, Privatisation, and Globalisation.	15

Suggested Evaluation Methods

Internal Assessment: 25	**End Term Examination: 50**
➢ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 Mid Term Exam :15	**Theory**

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Brahmananda, P. R., & Panchmukhi, V. R. (Eds.). (1987). *The development process of Indian economy*. Himalaya Publishing House.
- Lucas, E. B., & Papanek, G. F. (Eds.). (1988). *The Indian economy: Recent developments and future prospects*. Oxford University Press.
- Jalan, B. (1992). *The Indian economy: Problems and prospects*. Viking.

SEC-1
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	I		
Name of the Course	**Data Types and Sources**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	SEC		
Course Outcomes (CO)	At the end of the course, the student will be able to: CO1: To impart knowledge among students about data types and differences in various types. CO2: To impart knowledge about the sources of primary and secondary data. CO3: To make the students understand the concept of data collection and guide them on the skill of good data collection.		
Credits	Theory	Tutorial	Total
	02	1	03
Contact Hours	02	2	04
Max. Marks: 75 **Internal Assessment Marks: 15** **End Term Exam Marks: 35** **Practical Internal Marks: 5** **Practical External Marks: 20**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Seven questions will be set in all, and students will be required to attempt 4 questions.
2. Question No.1 will be compulsory and will consist of 8 short-answer type questions of 1 mark spread across the entire syllabus (1*8=8 Marks).
3. For the remaining three questions, Students will attempt 1 out of 2 questions from each of the three units (9 marks each).

Unit	Topics	Contact Hours
I	Data: meaning, types, and importance in research; qualitative and quantitative data; primary and secondary data; nominal, ordinal, interval, and ratio scale data; cross-sectional and time series data.	10
II	Sources of Primary Data: Interview method, observation method, questionnaire method, and schedule method. Advantages and limitations of primary data.	10
III	Sources of Secondary Data: Census data, newspapers, periodicals, and records of various government and non-government agencies. Reports published by various commissions constituted by the Government. Reports published by international agencies and organizations. Journals, books, and published articles. Advantages and limitations of secondary data. Data Collection – Meaning, objectives, characteristics of good data collection, advantages, and limitations.	10

Yara Verma

	Note: Syllabus for the Practical Exam 1. Preparation of a Good Questionnaire 2. Collection of Data Using the Questionnaire Method	30

Suggested Evaluation Methods	
Internal Assessment: 15 ➢ **Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)** Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test, etc. : Mid Term Exam :10 ➢ **Practicum: 5** Attendance :5 Practical Assignments/Practical File/ Practical Sessional	**End Term Examination: 35 Theory** **Practical External Examination: 20**

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Kumar, R. (2019). *Research methodology: A step-by-step guide for beginners* (5th ed.). SAGE Publications.
- Kothari, C. R. (2004). *Research methodology: Methods and techniques* (2nd ed.). New Age International.
- Newbold, P., Carlson, W. L., & Thorne, B. (2019). *Statistics for business and economics* (9th ed.). Pearson.

Yama Verma

Semester II
CC-A4
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	II		
Name of the Course	**Micro Economics-II**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Understand the pricing in various market conditions. CO2: Apply the principles of microeconomic analysis to the decision-making of firms and markets. CO3: Analyze the factor market and understand how factor prices are determined. CO4: Understand various theories of factor pricing. CO5: Apply the concepts and theories of market and factor pricing to real-world situations.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	**Market Structure** Market structure and features of different markets Price and Output Determination -I, Perfect competition: Meaning, Price Determination, Role of time element in price determination. Equilibrium of the firm and the industry in the short run and long run.	15
II	**Price and Output Determination-II** Monopoly - Meaning, Equilibrium in the short run and long run, Price-discriminating monopoly, Dumping Monopolistic Competition -Meaning, Equilibrium of a firm in the short run and long run, Group Equilibrium, Non – Price Competition, Selling Cost, and equilibrium with selling cost	15

III	**Price and Output Determination-III** Oligopoly-Price and output determination – Non-Collusive: Kinked demand curve and price rigidity. Collusive Oligopoly: Price leadership, Cartels.	15
IV	**Factor Pricing** Ricardian Theory of Rent, Modern Theory of Rent, Quasi rent Wage -Demand and Supply of Labour, Marginal Productivity Theory. Interest - Classical and Keynesian Profit (Risk Theory, Dynamic Theory, Schumpeter's Innovation Theory, Uncertainty Bearing Theory.)	15
Suggested Evaluation Methods		
Internal Assessment: 30 ➢ **Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)** Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 Mid Term Exam :20		**End Term Examination:70** Theory
Part-C Learning Resources		

Recommended Books/E-Resources/LMS:

- Ahuja, H. L. (2012). *Ucchatar arthik siddhant*. S. Chand & Company.
- Dwivedi, D. N. (2011). *Microeconomics: Theory and Applications*. Pearson.
- Koutsoyiannis, A. (1979). *Modern microeconomics* (2nd ed.). Macmillan Press.
- Mankiw, N. G. (2012). *Principles of microeconomics* (6th ed.). South-Western Cengage Learning.
- Salvatore, D. (2006). *Microeconomics: Theory and Applications*. Oxford University Press.
- Varian, H. R. (2003). *Intermediate microeconomics*. East-West Press.
- Browning, E. K., & Browning, J. M. (1986). *Microeconomic theory and applications* (2nd ed.). Kalyani Publishers.

Neera Verma

CC-A5
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	II		
Name of the Course	**Macro Economics-II**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Develop a comprehensive understanding of macroeconomics and critically analyze the principles and policy implications of the Keynesian school of thought. CO2: Compare and contrast the Classical and Keynesian approaches. CO3: Comprehend the various factors leading to inflationary and deflationary pressure and their effect. CO4: Understand the role of fiscal and monetary policy in resolving economic issues. CO5: Understand the basic concepts, factors, and issues of growth and development.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	Keynesian Multiplier: Concepts, Relation between Multiplier, MPC and MPS, Comparative Static and Dynamic Process. Working of Multiplier in UDC's. Acceleration Principle and Concept of Super Multiplier.	15
II	Determination of General Price Level: Classical and Keynesian Theory of Money and Prices. Inflation: Causes and Effects of Inflation, Measures to Control Inflation, Inflation and Economic Development, Theories of Inflation: Cost Push and Demand-Pull Inflation, Phillips Curve Analysis of Inflation and Unemployment.	15
III	Rate of Interest: Keynesian and IS-LM Theories of Interest Rate. Macro-Economic Policies: Monetary and Fiscal Policies.	15
IV	Trade Cycles: Meaning, Types, Phases, and Theories of	15

Yana Verma

	Trade Cycles (Hicks and Samuelson). Economic Growth: meaning and theories. Harrod-Domar Theory and Neo-classical Theory.	

Suggested Evaluation Methods	
Internal Assessment: 30 ➢ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 Mid Term Exam :20	**End Term Examination:70** Theory

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Shapiro, E. (1996). *Macroeconomic Analysis*, Galgotia Publications, New Delhi.
- Dornbusch, R., & Fischer, S. (1999). *Macroeconomics*, 7th Edition, Irwin McGraw-Hill.
- Lipsey, R. G., & Chrystal, K. A. (2007). *Economics*, Oxford University Press.
- Ackley, G. (1978). *Macroeconomics: Theory and Policy*, Macmillan, New York.
- Mankiw, N. G. (2000). *Macroeconomics*, 4th Edition, Worth Publishers.
- Samuelson, P. A., & Nordhaus, W. D. (2005). *Economics*, 18th Edition, Tata McGraw-Hill.
- Lekhi, R. K. (2016). *Macro Economics Part I*, Kalyani Publishers.

Yuva Verma

CC-A6
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	II		
Name of the Course	**Statistics for Economic Analysis-I**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Know about census and sample methods of data and be able to deal with data organization and presentation with different methods of data collection, and with detailed knowledge of data presentation with different kinds of diagrams. CO2: Able to analyze data with a deep understanding of the concepts of central tendencies and their importance in economics. CO3: Understanding the importance of dispersion of data, such as Standard Deviation, Mean deviation, and Variance, with their Statistical interpretation. CO4: Understand the concept of index numbers and their uses in economic policy, and also analyze the change in economic variables over different time periods.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	**Nature, Scope and Uses of Statistics:** Definition and scope of statistics; Subject matter of statistics, Importance and Limitations of Statistics in Economics; data collection (census and sample method); Organization and Presentation of data (Textual and Tabular presentation of data), Diagrammatic presentation of data, Frequency diagram: Histogram, Polygon, and Ogive curve	15
II	**Analysis of Data:** Measures of Central tendency (meaning, purpose, and function of Central tendency); Types of statistical averages (Arithmetic mean, median, and mode)	15
III	**Measures of Dispersion:** Range, Interquartile Range, Quartile Deviation, Mean Deviation, Standard Deviation, Variance, Lorenz Curve, Skewness, Kurtosis, and Moments.	15

IV	**Index Number:** Introduction of index number: purpose and uses of index number in Economics; Calculation of price index and quantity index (Laspeyres, Pasche and Fisher index), Problems in the construction and limitation of Index number. Base Shifting, Deflation of Index Number. Cost of Living Index Number.	15
Suggested Evaluation Methods		
Internal Assessment: 30 ➢ **Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)** Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 Mid Term Exam :20		**End Term Examination:70 Theory**
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: • Anderson, David R., Sweeney, Dennis J., & Williams, Thomas A. (2014). *Essentials of Statistics for Business and Economics*. South-Western Cengage Learning, USA. • Gupta, S. C. (2018). *Fundamentals of Statistics*. Himalaya Publishing House, New Delhi. • Gupta, S. P., & Gupta, M. P. (2019). *Business Statistics*. Sultan Chand and Sons, New Delhi. • Naghshpour, S. (2012). *Statistics for Economics*. Business Expert Press. • Sharma, J. K. (2012). *Business Statistics*. Dorling Kindersley (India) Pvt. Ltd., New Delhi.		

MIC-2
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	II		
Name of the Course	**Basics of Monetary Economics**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MIC		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Understand the Evolution of Money. CO2: Have an understanding of the concept of money and its functions. CO3: Understand the concepts of demand for money and supply of money and their significance in the economic system. CO4: Have an understanding of the monetary policy and how it is used in the economic system to achieve the required objectives. CO5: Have comprehension of the process of credit creation.		
Credits	Theory	Tutorial	Total
	01	1	02
Contact Hours	01	1	02
Max. Marks: 50 **Internal Assessment Marks: 15** **End Term Exam Marks: 35**	**Time: 2 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

- Five Questions will be set in all, and students will be required to attempt three questions.
- Question No. 1 will be compulsory and will consist of 5 short-answer type questions of 3 marks spread over the entire syllabus 5*3=15 marks).
- For the remaining two questions, students will attempt 1 out of 2 questions from each of the two units (10 marks each).

Unit	**Topics**	**Contact Hours**
I	Barter Exchange, Problem of Barter Exchange, Evolution of Money, Definition of Money, Functions and Significance of Money; Concept of Demand and Supply of Money. Quantity Theory of Money: Fisher's and the Cambridge Equation.	15
II	Monetary Policy: Meaning, Instruments, and Objectives, Monetary Policy and Economic Stabilization, Monetary Policy and Economic Development. Credit Creation and Credit Control.	15

Suggested Evaluation Methods

Internal Assessment: 15	**End Term Examination:35**
➢ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :	Theory

Mid Term Exam	:10	

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Baye, M. R., & Jansen, D. W. (2006). *Money, banking and financial markets: An economics approach*. AITBS Publishers & Distributors.
- Croushore, D. (2007). *Money and banking: A policy-oriented approach*. Houghton Mifflin Company.
- Dennis, G. E. J. (1981). *Monetary economics*. Longman Group Limited.
- Eatwell, J., & Taylor, L. (2002). *International capital markets: Systems in transition*. Oxford University Press.
- Fabozzi, F. J., & Modigliani, F. (2009). *Institutions and instruments* (4th ed.). Prentice Hall of India.
- Fabozzi, F. J., Modigliani, F., & Jones, F. J. (2009). *Foundations of financial markets*. Prentice Hall.
- Howells, P., & Bain, K. (2002). *The economics of money, banking, and finance: A European text*. Prentice Hall.
- Khan, M. Y. (2017). *Indian financial system*. Tata McGraw-Hill.
- Khanna, P. (2005). *Advanced study in money and banking: Theory and policy with reference to the Indian economy*. Atlantic Publishers.
- Government of India. (n.d.). *Economic survey*.

Yena Verma

MDC-2
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	II		
Name of the Course	**Problems of Indian Economy**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MDC		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1.To understand and analyze the nature of growth & development of the Indian Economy. CO2.Understanding evolution and problems of the agriculture sector in India. CO3.Understanding the significance and problems of the industrial sector in India. CO4. Utilize the detailed skills and techniques to address the problems of the Indian Economy, like poverty, inequality, and unemployment.		
Credits	Theory	Tutorial	Total
	02	1	03
Contact Hours	02	1	03
Max. Marks: 75 **Internal Assessment Marks: 25** **End Term Exam Marks: 50**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Seven Questions will be set in all, and students will be required to attempt 4 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining three questions, students will attempt 1 out of 2 questions from each of the three units (12 marks each).

Unit	Topics	Contact Hours
I	Agriculture in India – Importance, Causes of backwardness and low productivity in agriculture and its remedies, Emerging trends in Indian Agriculture. Land Reforms.	15
II	Problem of overpopulation and Population control. Poverty and unemployment in India. Programmes for the eradication of poverty and unemployment.	15
III	Industry in India: Small and Large-scale industry- Importance, problems, and suggestions for improvement. Inter-state disparities in the pattern of development.	15

Suggested Evaluation Methods

Internal Assessment: 25	End Term Examination:50
➢ **Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)** Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 Mid Term Exam :15	Theory

Neera Verma

Part-C Learning Resources

- Kapila, U. (2025). *Indian economy: Performance and policies*. Academic Foundation.
- Mishra, S. K., & Puri, V. K. (2025). *Indian economy*. (43rd ed.). Himalaya Publishing House.
- Dutt, R., & Sundaram, K. P. M. (2007). *Indian economy*. (55th ed.). S. Chand & Company.
- Datt, G., & Mahajan, A. (2024). *Dutt and Sundaram's Indian economy*. (73rd ed.). S. Chand & Company.
- Sen, R. K., & Chatterjee, B. (2002). *Indian economy: Agenda for the 21st century (Essays in honour of P. R. Brahmananda)*. Deep & Deep Publications.
- Singh, R. (2020). *Indian economy*. McGraw-Hill Education (India) Private Limited.
- Purkayastha, G. (2015). *Dynamics of the Indian economy*. Kalyani Publishers.

Veena Verma

SEC-2
(Bachelor of Arts with Major in Economics)

Part-A Introduction

Subject	Economics		
Semester	II		
Name of the Course	**Computer Application in Economic Analysis**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	SEC		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Develop basic computer proficiency, including working with MS Word and MS PowerPoint for document creation and presentations. CO2: Create and format professional documents, including tables, graphs, footnotes, and structured content in MS Word. CO3: Design effective presentations using templates, layouts, and visual elements in MS PowerPoint. CO4: Understand computer networking concepts, including LAN, WAN, and the role of search engines and antivirus tools. CO5: Apply computer tools in economic research, including data handling and digital information management.		
Credits	Theory	Practical	Total
	02	1	03
Contact Hours	02	2	04
Max. Marks: 75 **Internal Assessment Marks: 15** **End Term Exam Marks: 35** **Practical Internal Marks: 5** **Practical External Marks: 20**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Seven questions will be set in all, and students will be required to attempt 4 questions.
2. Question No.1 will be compulsory and will consist of 8 short-answer type questions of 1 mark spread across the entire syllabus (1*8=8 Marks).
3. For the remaining three questions, Students will attempt 1 out of 2 questions from each of the three units (9 marks each).

Unit	Topics	Contact Hours
I	MS Word: Introduction, editing and inserting pages, number and footnotes, tables and graphs in MS Word. MS PowerPoint: Introduction, preparation of presentation in PowerPoint using design template and text structure layout.	10
II	Networking of Computer, LAN and WAN, Types of Search Engine, Antivirus: Meaning and its Types, Scanning of Antivirus. Role of the Computer in Economic Research. Introduction to data formats: CSV, Excel, .dta, .csv, database.	10
III	Introduction of Microsoft Excel: Data entry, formatting, sorting, importing, and exporting of data. Data analysis in MS Excel: Mathematical and Statistical functions (Mean, Median, Mode), Correlation, Simple	10

<table>
<tr><td></td><td>Regression, One-Way ANOVA, Creation of diagrams and graphs in Excel, and their interpretation.</td><td></td></tr>
<tr><td></td><td>Note: Syllabus for the Practical Exam
1. Preparation of presentation in PowerPoint.
2. Calculation of mean, median, mode, correlation, and one-way ANOVA in MS Excel.
3. Creation of diagrams and graphs in MS Excel.</td><td>30</td></tr>
<tr><td colspan="3">Suggested Evaluation Methods</td></tr>
<tr><td colspan="2">Internal Assessment: 15

➢ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)
Attendance :5
Seminar/Presentation/Assignment/Quiz/Class Test etc. :
Mid Term Exam :10

➢ Practicum: 5
Attendance :5
Practical Assignments/Practical File/ Practical Sessional</td><td>End Term Examination: 35
Theory

Practical External: 20</td></tr>
<tr><td colspan="3">Part-C Learning Resources</td></tr>
<tr><td colspan="3">Recommended Books/E-Resources/LMS:
• Gupta, S. C., & Kapoor, V. K. (2020). Fundamentals of applied statistics. Sultan Chand & Sons.
• Kothari, C. R. (2004). Research methodology: Methods and techniques. New Age International.
• Levin, R. I., & Rubin, D. S. (2017). Statistics for management. Pearson Education.
• Shelly, G. B., & Vermaat, M. E. (2011). Microsoft Office 2010 introductory. Cengage Learning.
• Walkenbach, J. (2015). Microsoft Excel 2016 bible. Wiley.
• Winston, W. L. (2016). Microsoft Excel data analysis and business modeling (5th ed.). Microsoft Press.</td></tr>
</table>

Semester III

CC-A7
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	III		
Name of the Course	**Indian Economy: Problems and Prospects-I**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC /AEC/ VAC	CC		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Develop economic thinking and analytical skills relevant to real-world issues. CO2: Have a basic understanding of the Indian Economy. CO3: Have awareness of the current challenges faced by the Indian Economy. CO4: Enhance knowledge about the key reforms undertaken over time.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	Introduction to Indian Economy – Basic characteristics of the Indian economy. Economic Planning in India: Features, Objectives and Assessment of Indian Planning. Planning Commission to NITI Aayog. (Plan-wise details to be excluded).	15
II	Demographic features of India's population. Population and Economic Development. Theory of Demographic Transition. Problem of overpopulation and population control in India. Population Policy in India.	15
III	Poverty and unemployment in India. Programmes for the eradication of poverty and unemployment with special reference to the post–reform era.	15

IV	Black Money: causes, effects, measures, and Suggestions. Inflation: types, causes, effects, and measures. Inequality of Income and Wealth: meaning, causes and effects, measures.	15

Suggested Evaluation Methods	
Internal Assessment: 30 ➢ **Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)** Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test, etc. :5 Mid Term Exam :20	**End Term Examination:70** Theory

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Aggarwal, A. N. (2026). *Indian economy: Problems of development & planning* (45th ed.). V. K. Publications.
- Brahmananda, P. R., & Panchmukhi, V. R. (1987). *The development process of the Indian economy*. Himalaya Publishing House.
- Deepashree. (2010). *Indian economy: Performance and policies* (2nd ed.). Anmol Publications.
- Economic and Political Weekly. (n.d.). *Economic and Political Weekly*.
- Government of India. (2026). *Economic survey 2025-26*. Ministry of Finance, Economic Division.
- Lucas, E. B., & Papanek, G. F. (1988). *The Indian economy: Recent developments and future prospects*. Oxford University Press.
- Mishra, S. K., & Puri, V. K. (2020). *Indian economy* (38th ed.). Himalaya Publishing House.
- World Bank. (n.d.). *World Development Report*. World Bank.

Yena Verma

CC-A8

(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	III		
Name of the Course	**Mathematics for Economic Analysis-II**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Understand the basic concepts of integration and the economic application of integration for different functions. CO2: Understand the relevance of linear programming and its application for various economic activities. CO3: Understand the concept of difference equations and their solutions. CO4: Apply integration to economic problems such as revenue, cost, demand functions, and measurement of consumer and producer surplus.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	Integration- Meaning and rules of Integration, Indefinite and Definitive Integration, Simple Techniques including Integration by Substitution and Integration by Parts.	15
II	Economic Application of Integration- Revenue function, Cost function, Demand function, Consumer Surplus, and Producer Surplus in different market structures.	15
III	Linear Programming – Relevance and Basic Concept, Objectives, Applications of L inear Programming. Solution of Linear Programming Problems: Problem Formulation, Graphic Method, Simplex Method, and Duality in LPPs.	15
IV	Difference Equation- Definition, Order and Degree of Difference Equation, Solution and Types of Difference Equation, Solution of Linear First Order Difference Equation. Particular Solution of the Equation: First Order Non-Homogeneous Difference Equation, Second Order Non-Homogeneous Difference Equation.	15

Suggested Evaluation Methods

Internal Assessment: 30	End Term Examination: 70
➢ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) ➢ Attendance :5 ➢ Seminar/Presentation/Assignment/Quiz/Class Test, etc. :5 ➢ Mid Term Exam :20	Theory

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Allen, R. G. D. (1976). *Mathematical economics* (2nd ed.). Macmillan.
- Arrow, K. J., & Intriligator, M. (Eds.). (1982). *Handbook of mathematical economics* (Vols. 1–3). North Holland.
- Chiang, A. C., & Wainwright, K. (2005). *Fundamental methods of mathematical economics* (4th ed.). McGraw-Hill.
- Chung, J. W. (1993). *Utility and production: Theory and applications*. Basil Blackwell.
- Dowling, E. T. (2011). *Introduction to mathematical economics* (3rd ed.). McGraw-Hill.
- Ferguson, C. E. (1976). *The neoclassical theory of production and distribution* (Rev. ed.). Cambridge University Press.
- Henderson, J. M., & Quandt, R. E. (1980). *Microeconomic theory: A mathematical approach* (3rd ed.). McGraw-Hill.

CC-A9
(Bachelor of Arts with Major in Economics)

Part-A Introduction

Subject	Economics
Semester	III
Name of the Course	**Development Economics –I**
Course Code	
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Define and distinguish between key concepts of economic growth and development. CO2: Interpret and compare various indicators of economic development. CO3: Comprehend various classical theories of economic development. CO4: Critically assess different approaches to economic development. CO5: Understand development planning and its aspects, and apply this knowledge to analyze contemporary development policies.

	Theory	Tutorial	Total
Credit	03	1	04
Contact Hours	03	1	04

Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each**).**

Unit	Topics	Contact Hours
I	Basic Concepts of Economic Development: Economic Growth and Development, Concept of underdevelopment and basic characteristics; Determinants of Economic Development, Obstacles to Economic Development. Measurement (PQLI and HDI) of economic development: sustainable economic development.	15
II	Concept of Stationary State and Classical Theories of Economic Development: Adam Smith, Ricardo, Malthus, and J.S Mill	15
III	Approaches to Development: Vicious Circle of Poverty, Leibenstein's critical minimum effort theory, Balanced & Unbalanced growth theories.	15
IV	Economic Planning and Policy: Development planning: rationale, Strategies and objectives of planning; Requisites of successful planning, Problems of Development Planning, Role of state.	15

Suggested Evaluation Methods

Internal Assessment: 30 ➢ **Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)** Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 Mid Term Exam :20	**End Term Examination:70** Theory

Part-C Learning Resources

Recommended Books/E-Resources/LMS

- Thirlwall, A. P. (2003). *Growth and Development* (7th ed.). Palgrave Macmillan.
- Ray, D. (2004). *Development Economics*. Oxford University Press.
- Meier, G. M., & Rauch, J. E. (2000). *Leading issues in Economic development*. Oxford University Press.
- Ghosh, A. (1996). *Paradigms of Economic Development*. Indian Institute of Advanced Study.
- Sen, A. K. (1970). *Growth Economics*. Penguin Books.
- Kindleberger, C. P. (1977). *Economic Development* (3rd ed.). McGraw-Hill.

MIC-3

(Bachelor of Arts with Major in Economics)

Part-A Introduction	
Subject	Economics
Semester	III
Name of the Course	**Economy of Haryana**
Course Code	
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MIC
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Understand and analyse the growth and development of the Haryana Economy since 1966. CO2: Describe and critically analyse growth and reforms in the Haryana agriculture sector and evaluate various financial and insurance schemes. CO3: Analyse industrial growth and performance of public sector undertakings in Haryana. CO4: Analyse public finances, infrastructure, and human development in Haryana, with special reference to regional disparities and resource mobilization challenges.

	Theory	Tutorial	Total
Credits	03	1	04
Contact Hours	03	1	04

Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	Regional Economics: Concept, Scope, and Framework. Regional Economic Problems: Different Approaches to Regional Economic Analysis.	15
II	Structural Changes in Haryana Economy: Role of Agriculture in Haryana. Growth & Productivity of Agriculture in Haryana. Green Revolution: Role, Performance & its implications. Agricultural diversification: Rationale and its constraints. Agriculture credit & marketing, Soil degradation, Irrigation, and water management.	15
III	Industry in Haryana- Industrial development: Pattern, performance, constraints & challenges. Small -scale industry: Role, Problems & Future prospects. State's role in industrial development, HSIIDC. Development of transport and banking in Haryana, Regional inequality.	15
IV	Public Finances of Haryana- Sources of revenue and heads of expenditure. Problems of resource mobilization in Haryana. State Public Sector Undertakings, Off-budget liabilities. Infrastructure and Human Development- Education, Health, Housing, State Human Development.	15

Suggested Evaluation Methods

Internal Assessment: 30	**End Term Examination:70**
Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)	Theory

Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 Mid Term Exam :20	
Part-C Learning Resources	
Recommended Books/E-Resources/LMS: • Hoover, F. M. (1984), *An Introduction to Regional Economics*, UCEB. • Richardson, H. W. (1972), *Regional Economics*, Weidenfeld and Nicolson, London. • Economic Survey of Haryana (various years). • State Statistical Abstract of Haryana (various years).	

Yena Verma

MDC-3

(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	III		
Name of Course	**Fundamentals of Economics**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	**MDC**		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Understand the meaning, nature, and scope of Economics and why it is studied. CO2: Understand the nature of the economic problem CO3: Understand and apply the concepts of demand and supply in real-world economic situations. CO4: Understand the concept of National Income and its circular flow in the economy. CO5: Understand and comprehend the Concept of Budget in India.		
Credit	Theory	Tutorial	Total
	02	1	03
Contact Hours	02	1	03
Max. Marks: 75 **Internal Assessment Marks: 25** **End Term Exam Marks: 50**	**Time: 3 Hours**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Seven Questions will be set in all, and students will be required to attempt 4 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining three questions, students will attempt 1 out of 2 questions from each of the three units (12 marks each).

Units	Topics	Contact Hours
I	Definition, Nature and Scope of Economics, Micro and Macro Economics, Economic systems: Capitalism, Socialism, and Mixed economic system. The Economic Problem: Scarcity and Choice.	15
II	Concept of Demand, Law of Demand, Concept of supply, Law of supply. Market Equilibrium. National Income: Concept and measurement, Circular flow of Income: Two, Three, and Four Sector Model.	15
III	Government Budget: Meaning, Components, Need & Objectives, Types of Budget-Balance Budget, Surplus Budget and Deficit Budget, Budget and Budgetary Deficits, Policy highlights of the current Union Budget.	15

Suggested Evaluation Methods

Internal Assessment: 25	End Term Examination: 50
➢ **Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)** Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 Mid Term Exam :15 :	Theory

Part-C Learning Resources

Yana Verma

Recommended Books/E-Resources/LMS:

- Lekhi, R. K. (2016). *Macroeconomics: Part I*. Kalyani Publishers.
- Shapiro, E. (1996). *Macroeconomic analysis*. Galgotia Publications.
- Ahuja, H. L. (2012). *Ucchatar arthik siddhant*. S. Chand & Company.
- Ahuja, H. L. (2012). *Advanced economic theory*. S. Chand & Company.
- Musgrave, R. A., & Musgrave, P. B. (1989). *Public finance in theory and practice* (5th ed.). McGraw-Hill.
- Koutsoyiannis, A. (1979). *Modern microeconomics* (2nd ed.). Macmillan Press.
- Mankiw, N. G. (2012). *Principles of microeconomics* (6th ed.). South-Western Cengage Learning.
- Salvatore, D. (2006). *Microeconomics: Theory and applications*. Oxford University Press.
- Varian, H. R. (2003). *Intermediate microeconomics*. East-West Press.

Yana Verma

Semester IV

CC-A10
(Bachelor of Arts with Major in Economics)

<table>
<tr><th colspan="4">Part-A Introduction</th></tr>
<tr><td>Subject</td><td colspan="3">Economics</td></tr>
<tr><td>Semester</td><td colspan="3">IV</td></tr>
<tr><td>Name of the Course</td><td colspan="3">Indian Economy: Problems and Prospects-II</td></tr>
<tr><td>Course Code</td><td colspan="3"></td></tr>
<tr><td>Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC</td><td colspan="3">CC</td></tr>
<tr><td>Course Outcomes (CO)</td><td colspan="3">After completing this course, the learner will be able to:

CO1: Understand the significance of agriculture in the Indian economy and identify key problems.
CO2: Evaluate the structure and challenges of industrial development in India.
CO3: Critically assess the role and performance of Public Sector Enterprises (PSEs) in India.
CO4: Understand the Indian Tax structure.
CO5: Differentiate between monetary and fiscal policies.
CO6: Examine the rationale behind India's economic reforms.</td></tr>
<tr><td rowspan="2">Credits</td><td>Theory</td><td>Tutorial</td><td>Total</td></tr>
<tr><td>03</td><td>1</td><td>04</td></tr>
<tr><td>Contact Hours</td><td>03</td><td>1</td><td>04</td></tr>
<tr><td>Max. Marks: 100
Internal Assessment Marks: 30
End Term Exam Marks: 70</td><td colspan="3">Time: 3 Hrs</td></tr>
</table>

<table>
<tr><th colspan="3">Part-B Contents of the Course</th></tr>
<tr><td colspan="3">Instructions for Paper Setters
1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).</td></tr>
<tr><th>Unit</th><th>Topics</th><th>Contact Hours</th></tr>
<tr><td>I</td><td>Agriculture: Its importance in the Indian Economy. Problem and solution regarding productivity. Green Revolution: features, effects, and evaluation. Impact of the Green Revolution on Indian Agriculture.</td><td>15</td></tr>
<tr><td>II</td><td>Industry: Features, Government Steps, and Problems of Industrial Development in India. Public Sector of India: Role, Measures, Evaluation, and Suggestions for Public Enterprises. Industrial Policy-1991 and the latest Industrial Policy of India.</td><td>15</td></tr>
<tr><td>III</td><td>Indian Tax Structure: Features, Shortcomings, and Suggestions for Improvement. Monetary and Fiscal Policy- Meaning, Objectives and Instruments. Importance of Monetary and Fiscal Policy in Economic Development.</td><td>15</td></tr>
<tr><td>IV</td><td>Economic Reforms: Needs, Main Features of Economic Reforms. Features, merits, and demerits of Liberalization, Privatization, and Globalization. Main components of the New Economic Policy.</td><td>15</td></tr>
<tr><th colspan="3">Suggested Evaluation Methods</th></tr>
<tr><td colspan="2">Internal Assessment: 30
Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)</td><td>End Term Examination:70
Theory</td></tr>
</table>

Attendance	:5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	:5	
Mid Term Exam	:20	
Part-C Learning Resources		

Recommended Books/E-Resources/LMS:

- Aggarwal, A. N. (2026). *Indian economy: Problems of development & planning* (45th ed.). V. K. Publications.
- Brahmananda, P. R., & Panchmukhi, V. R. (1987). *The development process of the Indian economy*. Himalaya Publishing House.
- Deepashree. (2010). *Indian economy: Performance and policies* (2nd ed.). Anmol Publications.
- Economic and Political Weekly. (n.d.). *Economic and Political Weekly*.
- Government of India. (2026). *Economic survey 2025-26*. Ministry of Finance, Economic Division.
- Lucas, E. B., & Papanek, G. F. (1988). *The Indian economy: Recent developments and future prospects*. Oxford University Press.
- Mishra, S. K., & Puri, V. K. (2020). *Indian economy* (38th ed.). Himalaya Publishing House.
- World Bank. (n.d.). *World Development Report*. World Bank.

Yena Verma

CC-A11
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	IV		
Name of the Course	**Statistics for Economic Analysis-II**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Understand and apply statistical methods to analyze relationships between variables. CO2: Use regression techniques to estimate and interpret quantitative relationships. CO3: Understand time Series, its components, and measurement along with the Least Square Method to find out the Trend. CO3: Understand and Analyse Different types of Index Numbers, Problems regarding the construction and uses of Index Numbers.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	Correlation- Meaning, Utility, Types, Degrees of Correlation, Methods of Determining Correlation: Scatter Diagram, Karl Pearson's Coefficient of Correlation, Spearman's Rank Correlation Method, Concurrent Deviation Method. Coefficient of Determination.	15
II	Regression- Meaning, Utility, Types of Regression Analysis. Difference between Correlation and Regression. Simple Linear Regression- Regression Equation using Normal Equation, Regression Equations using Regression Coefficient (Methods of calculating Regression Coefficient).	15
III	Time series- Meaning, Utility, Components of Time Series (Trend, Seasonal Variations, Cyclical Variation Decomposition). Methods of measuring Trend (Freehand Curve, Semi-Average, Moving Average, and Least Square Method). Least Square Method – Fitting of Straight-Line Trend: Direct and Short-Cut Method. Fitting of Second-Degree Parabolic Trend or Quadratic Trend, Fitting of Exponential Trend.	15
IV	Index Numbers- Problems regarding construction of Index Numbers: Chain-Based Index and Fixed Base Index, Base Conversion, Base Shifting, Splicing, Deflating, and Consumer Price Index. Consumer Price Index- Concept, Uses and Construction.	15

Suggested Evaluation Methods

Internal Assessment: 30 ➢ **Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)**	**End Term Examination:70** Theory

Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 Mid Term Exam :20	
Part-C Learning Resources	

Recommended Books/E-Resources/LMS:

- Gupta, S. C. (1993). *Fundamentals of statistics*. S. Chand & Sons.
- Spiegel, M. R. (1992). *Theory and problems of statistics*. McGraw-Hill.
- Karmel, P. H., & Polasek, M. (1978). *Applied statistics for economics* (4th ed.). Pitman.

Yeera Verma

CC-A12
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	IV		
Name of the Course	**Development Economics –II**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Understand and comprehend the concepts of dualism and its models. CO2: Compare and evaluate various growth models. CO3: Interpret the concepts and measures of income inequality. CO4: Identify and explain the meaning and role of Capital formation and human capital in economic development.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	Dualistic Development: Social and Technological dualism, Lewis dual economy model, Fei–Ranis Theory of Dual Economy, Harris–Todaro Model of Migration.	15
II	Theories of Development: Karl Marx, Schumpeter, Keynes	15
III	Inequality and Development: Meaning, Measurement (Lorenz Curve), Kuznets Inverted U Shape curve, Interconnection of Population Growth and Economic Development.	15
IV	Capital formation: Meaning and Sources; Role of Capital Formation in Economic Development; Capital-Output Ratio; Human Capital: Meaning, Importance and Problems of Human Capital Formation, Transfer of Technology.	15

Suggested Evaluation Methods

Internal Assessment: 30		End Term Examination:70
➢ **Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)**		Theory
Attendance	:5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	:5	
Mid Term Exam	:20	

Part-C Learning Resources

- Ghosh, A. (1996). *Paradigms of economic development*. Indian Institute of Advanced Study.
- Meier, G. M., & Rauch, J. E. (2000). *Leading issues in economic development*. Oxford University Press.
- Kuznets, S. (1966). *Modern economic growth: Rate, structure, and spread*. Vakils, Feffer and Simons Private Ltd.
- Ray, D. (2004). *Development economics*. Oxford University Press.
- Sen, A. K. (1970). *Growth economics*. Penguin Books.
- Thirlwall, A. P. (2003). *Growth and development* (7th ed.). Palgrave Macmillan.

Yara Verma

MIC-4
(Bachelor of Arts with Major in Economics)

Part-A Introduction

Subject	Economics		
Semester	IV		
Name of the Course	**Economic History of India**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MIC		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Gain a deeper understanding of the nature and characteristics of the Indian Economy before colonial rule, and its transition to the colonial regime. CO2: Explore how colonial policies like the commercialization of agriculture and de-industrialization affected the Indian economy. CO3: Examine how Indians adapted to the structural changes brought about by colonialism and how they responded to the challenges they faced. CO4: Analyze the growth and composition of foreign trade during British Rule in India.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	Growth of colonial administrative apparatus in India; Indian Economy in the mid- nineteenth century; Systems of land settlements in India under British Rule; Indian Economy at the time of Independence.	15
II	Transformation of the traditional village economy during the British Rule; Commercialization of Agriculture: its causes and Consequences; Rural Indebtedness -Extent, Nature, Causes, and Effects.	15
III	The state of Industrial Development in mid-nineteenth-century India; De- industrialization: causes and consequences; Growth of Textile (jute and cotton), Iron and Steel, Cement, Coal, and Tea Industries during the colonial period.	15
IV	Foreign capital in colonial India: its extent and impact; Growth and Composition of foreign trade during British Rule; Nature and problem of public debt; Economic Drain from India: form, extent and consequences.	15

Suggested Evaluation Methods

Internal Assessment: 30	**End Term Examination:70**
➢ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 Mid Term Exam :20	Theory

Neera Verma

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Kaushal, G. (1979). *Economic History of India: 1757–1966*. Kalyani Publishers.
- Dutt, R. C. (1960). *The Economic History of India* (Vol. 1: 1848–1909). Publications Division, Ministry of Information and Broadcasting, Government of India.
- Roy, T. (2011). *The Economic History of India: 1857–1947* (3rd ed.). Oxford University Press.
- Singh, V. B. (Ed.). (1965). *Economic History of India: 1857–1956*. Allied Publishers.

VAC-3
(Bachelor of Arts with Major in Economics)

<table>
<tr><th colspan="4">Part-A Introduction</th></tr>
<tr><td>Subject</td><td colspan="3">Economics</td></tr>
<tr><td>Semester</td><td colspan="3">IV</td></tr>
<tr><td>Name of the Course</td><td colspan="3">Sustainable Development</td></tr>
<tr><td>Course Code</td><td colspan="3"></td></tr>
<tr><td>Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC</td><td colspan="3">VAC</td></tr>
<tr><td>Course Outcomes (CO)</td><td colspan="3">After completing this course, the learner will be able to:
CO1: Understand the Concept and Evolution of Sustainable Development.
CO2: Analyse the core dimensions of sustainability.
CO3: Examine major environmental problems and barriers in achieving sustainability.
CO4: Develop Familiarity with Sustainable Development Goals (SDGs).
CO5: Examine Key Government Initiatives Promoting SDGs in India.</td></tr>
<tr><td rowspan="2">Credits</td><td>Theory</td><td>Tutorial</td><td>Total</td></tr>
<tr><td>02</td><td>-</td><td>02</td></tr>
<tr><td>Contact Hours</td><td>02</td><td>-</td><td>02</td></tr>
<tr><td>Max. Marks: 50
Internal Assessment Marks:15
End Term Exam Marks: 35</td><td colspan="3">Time: 2 Hrs</td></tr>
</table>

Part-B Contents of the Course

Instructions for Paper Setters

1. Five Questions will be set in all, and students will be required to attempt three questions.
2. Question No. 1 will be compulsory and will consist of 5 short-answer type questions of 3 marks spread over the entire syllabus (5*3=15 marks).
3. For the remaining two questions, students will attempt 1 out of 2 questions from each of the two units (10 marks each).

Unit	Topics	Contact Hours
I	Introduction to Sustainable Development –Meaning and Brief Historical Background of Sustainable Development, Pillars of Sustainability, Features, Significance, and Challenges of Sustainable Development. Environmental problems in achieving sustainability. Circular Economy – Concept and importance, Green Economy – Concept and importance.	15
II	Overview of Sustainable Development Goals (SDGs), SDG Localisation: Meaning and India's approach to SDG localisation in brief. Key Initiatives of the Government of India to promote SDGs: Swachh Bharat Mission, Jal Jivan Mission, PMJDY (Pradhan Mantri Jan Dhan Yojana), MGNREGA (Mahatma Gandhi National Rural Employment Guarantee Act), National Food Security Act (NFSA)2013, Beti Bachao Beti Padhao (BBBP), National Solar Mission, Skill India Mission	15

Suggested Evaluation Methods

Internal Assessment: 15	End Term Examination: 35
➢ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. : Mid Term Exam :10	Theory

Part-C Learning Resources

- Clayton, B. D., & Bass, S. (2002). *Sustainable development strategies: A resource book*. Earthscan Publications.
- Fulekar, M. H., Pathak, B., & Kale, R. K. (2014). *Environment and sustainable development*. Springer.
- Peacock, K. W. (2008). *Natural resources and sustainable development*.
- Sachs, J. D. (2015). *The age of sustainable development*. Columbia University Press.
- World Bank. (2012). *Inclusive green growth: The pathway to sustainable development*. World Bank.

Semester V

CC-A13
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	V		
Name of the Course	**International Economics-I**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Understand the pattern, scope, potential, and related issues of international trade. CO2: Understand the Structure and Dynamics of Balance of Payments (BOP) and its equilibrium & disequilibrium adjustments. CO3: Understand, explain, compare, and critically evaluate the classical and neo-classical trade theories of International Trade. CO4: Compare and critically evaluate the new trade theories and their relevance in today's scenario.		
Credits	Theory	Tutorial	Total
	03	01	04
Contact Hours	03	01	04
Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	Inter-Regional and International Trade: Concept and Comparison. Need for a separate theory for International Trade. Advantages and Disadvantages of International Trade. Gains from Trade: Concept and Determinants, Terms of Trade: Concept and Types.	15
II	International Trade Theories: Absolute advantages, Comparative advantages, Opportunity cost, and Modern Theory (Heckscher-Ohlin)	15
III	Balance of Trade and Balance of Payments: Concepts and Components. Equilibrium and disequilibrium in BOP. Causes of Adverse BOP and Measures to correct the deficit in BOP. Exchange Rate: Concept and Determinants. Fixed and Flexible exchange rate.	15
IV	Exchange rate theories: Mint Par theory, Purchasing Power Parity theory, and Balance of Payment theory. New exchange rate policy in India. Exchange Control: Objectives and Methods.	15

Suggested Evaluation Methods

Internal Assessment: 30	**End Term**

Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 Mid Term Exam :20	**Examination:70** Theory

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Rana, K. C., & Verma, K. N. (2017). *International economics*. (7th ed.). Vishal Publishing.
- Södersten, B. (1991). *International economics* (2nd ed.). Macmillan.
- Salvatore, D. (1997). *International economics* (6th ed.). Prentice Hall.
- Kucchal, S. C. (1992). *International economics*. Chaitanya Publishing House.
- Kindleberger, C. P. (1973). *International economics* (5th ed.). Richard D. Irwin.

CC-A14
(Bachelor of Arts with Major in Economics)

<table>
<tr><th colspan="4">Part-A Introduction</th></tr>
<tr><td>Subject</td><td colspan="3">Economics</td></tr>
<tr><td>Semester</td><td colspan="3">V</td></tr>
<tr><td>Name of the Course</td><td colspan="3">Public Finance-I</td></tr>
<tr><td>Course Code</td><td colspan="3"></td></tr>
<tr><td>Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC</td><td colspan="3">CC</td></tr>
<tr><td>Course Outcomes (CO)</td><td colspan="3">After completing this course, students will be able to:
CO1: Understand the role of government in an economy and analyse different types of public goods and market failures.
CO2: Explain the structure, process, and reforms in budgeting, along with trends in public expenditure in India.
CO3: Analyse theories of public expenditure and evaluate its economic impact and investment decisions.
CO4: Understand principles of taxation and assess the structure and functioning of the Indian tax system.</td></tr>
<tr><td rowspan="2">Credits</td><td>Theory</td><td>Tutorial</td><td>Total</td></tr>
<tr><td>03</td><td>1</td><td>04</td></tr>
<tr><td>Contact Hours</td><td>03</td><td>1</td><td>04</td></tr>
<tr><td>Max. Marks: 100
Internal Assessment Marks: 30
End Term Exam Marks: 70</td><td colspan="3">Time: 3 Hrs</td></tr>
</table>

<table>
<tr><th colspan="3">Part-B Contents of the Course</th></tr>
<tr><td colspan="3">Instructions for Paper Setters
1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).</td></tr>
<tr><th>Unit</th><th>Topics</th><th>Contact Hours</th></tr>
<tr><td>I</td><td>Role of Government and Public Goods. Public Finance: Concept, nature, scope, and importance. Role of government. Types of goods: private, public, merit, and mixed goods. Free rider problem and the basic idea of optimal provision. Market failures: externalities, public goods, imperfect markets. Contributions of Samuelson and Musgrave (conceptual overview).</td><td>15</td></tr>
<tr><td>II</td><td>Budgeting and Public Revenue. Meaning and types of budgets. Budgetary reforms: zero-based and performance budgeting. Union Budget: process and key features, Gender Budgeting. Public Revenue: Meaning, sources, and principles of public revenue.</td><td>15</td></tr>
<tr><td>III</td><td>Public Expenditure and Investment. Public Expenditure: Concept and Classification. Causes and Effects of an Increase in Public Expenditure. Growth and structure of public expenditure. Wagner's Law and Peacock-Wiseman hypothesis. Effects of public expenditure on the economy. Public investment and</td><td>15</td></tr>
</table>

<table>
<tr><td></td><td>social cost-benefit analysis.</td><td></td></tr>
<tr><td>IV</td><td>Taxation – Principles and Structure. Principles of taxation: equity, Ability to pay, Benefit principle. Types of taxes: direct vs indirect; progressive, proportional, regressive. Basic concepts: tax incidence, elasticity, taxable capacity. Overview of the Indian tax system: Direct Taxes (Income Tax, Corporate Tax) and Indirect Taxes (GST).</td><td>15</td></tr>
<tr><td colspan="3">Suggested Evaluation Methods</td></tr>
<tr><td colspan="2">Internal Assessment: 30
➢ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)
Attendance :5
Seminar/Presentation/Assignment/Quiz/Class Test etc. :5
Mid Term Exam :20</td><td>End Term Examination:70
Theory</td></tr>
<tr><td colspan="3">Part-C Learning Resources</td></tr>
</table>

Recommended Books/E-Resources/LMS:

- Musgrave, R. A., & Musgrave, P. B. (1989). *Public finance in theory and practice* (5th ed.). McGraw-Hill.
- Rosen, H. S., & Gayer, T. (2014). *Public finance* (10th ed.). McGraw-Hill Education.
- Bhatia, H. L. (2018). *Public finance* (30th ed.). Vikas Publishing House.
- Lekhi, R. K. (2017). *Public finance*. Kalyani Publishers.
- Singh, S. K. (2019). *Public finance in theory and practice*. S. Chand Publishing.
- Government of India. (2026). *Economic survey*. Ministry of Finance. https://www.indiabudget.gov.in
- Government of India. (2026). *Union budget documents*. Ministry of Finance. https://www.indiabudget.gov.in
- Reserve Bank of India. (2025). *Annual report*. https://www.rbi.org.in
- Cullis, J., & Jones, P. (2009). *Public finance and public choice* (2nd ed.). Oxford University Press.
- Stiglitz, J. E., & Rosengard, J. K. (2015). *Economics of the public sector* (4th ed.). W. W. Norton & Company.
- Mishra, S. K., & Puri, V. K. (2020). *Indian economy*. Himalaya Publishing House.
- Dutt, R., & Sundaram, K. P. M. (2021). *Indian economy*. S. Chand Publishing.

Neera Verma

CC-A15
(Bachelor of Arts with Major in Economics)

<table>
<tr><th colspan="4">Part-A Introduction</th></tr>
<tr><td>Subject</td><td colspan="3">Economics</td></tr>
<tr><td>Semester</td><td colspan="3">V</td></tr>
<tr><td>Name of the Course</td><td colspan="3">Econometrics</td></tr>
<tr><td>Course Code</td><td colspan="3"></td></tr>
<tr><td>Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC</td><td colspan="3">CC</td></tr>
<tr><td>Course Outcomes (CO)</td><td colspan="3">After completing this course, students will be able to:
CO1: Understand the fundamentals of econometrics, including its nature, scope, and distinction from statistics and mathematical economics.
CO2: Apply simple regression analysis, estimate relationships using the method of least squares, and interpret regression coefficients and goodness of fit (R^2).
CO3: Identify and understand common problems in regression analysis, such as multicollinearity, autocorrelation, and heteroscedasticity, along with their basic remedies.
CO4: Use econometric tools for simple economic applications, including estimation of consumption and production functions, understanding log functions, growth rates, and basic time series forecasting.</td></tr>
<tr><td rowspan="2">Credits</td><td>Theory</td><td>Tutorial</td><td>Total</td></tr>
<tr><td>03</td><td>1</td><td>04</td></tr>
<tr><td>Contact Hours</td><td>03</td><td>1</td><td>04</td></tr>
<tr><td>Max. Marks: 100
Internal Assessment Marks: 30
End Term Exam Marks: 70</td><td colspan="3">Time: 3 Hrs</td></tr>
</table>

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	**Introduction to Econometrics and Regression.** Meaning and nature of Econometrics. Difference between Econometrics, Statistics, and Mathematical Economics. Objectives, importance, and Methodology of Econometrics. Concept of regression analysis (two-variable case). Basic idea of the disturbance term and assumptions of Regression.	15
II	**Estimation and Interpretation of Regression.** Method of least squares. Interpretation of regression coefficients. Gauss-Markov Theorem (BLUE Properties). Concept of goodness of fit (R^2) and Adjusted R^2.	15
III	**Basic Problems in Regression Analysis.** Introduction to common problems: Multicollinearity, Autocorrelation, and Heteroscedasticity - Meaning, causes, effects, and simple remedies.	15
IV	**Simple Applications of Econometrics.** Estimation of	15

	simple economic relationships: Consumption function and Production function. Log and semi-log functions (introductory level). Simple growth rates (concept of simple and compound growth).	

Suggested Evaluation Methods	
Internal Assessment: 30 ➢ **Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)** Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 Mid Term Exam :20	**End Term Examination:70** Theory

Part-C Learning Resources
Recommended Books/E-Resources/LMS:

- Gujarati, D. N. (2004). *Basic econometrics* (4th ed.). McGraw-Hill.
- Gujarati, D. N., & Porter, D. C. (2012). *Econometrics by example* (2nd ed.). Palgrave Macmillan. *(Note: Often co-authored; Sangeetha editions may vary regionally)*
- Koutsoyiannis, A. (1977). *Theory of econometrics: An introductory exposition of econometric methods* (2nd ed.). Palgrave Macmillan.
- Maddala, G. S. (2001). *Introduction to econometrics* (3rd ed.). Wiley.
- Wooldridge, J. M. (2016). *Introductory econometrics: A modern approach* (6th ed.). Cengage Learning.
- Stock, J. H., & Watson, M. W. (2020). *Introduction to econometrics* (4th ed.). Pearson.

Yara Verma

MIC-5
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	V		
Name of the Course	**Indian Economic Thought**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MIC		
Course Outcomes (CO)	After completing this course, students will be able to: CO1: Understand the evolution of economic ideas in India. CO2: Analyse contributions of major Indian Economic thinkers. CO3: Examine the link between economic thought and policy in India. CO4: Develop a critical understanding of development strategies and debates.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Part-B Contents of the Course
Instructions for Paper Setters 1. Nine Questions will be set in all, and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	**Early Indian Economic Thought.** Nature and features of the ancient Indian economy. Economic ideas in Kautilya's Arthashastra: Role of state in economic administration and taxation, trade, agriculture, and public finance.Village economy and self-sufficiency.	15
II	**Colonial Economic Thought and Critique.** Impact of British rule on the Indian economy. Economic critique of colonialism: Dadabhai Naoroji – Drain Theory and R.C. Dutt – Economic history and critique of British policies.	15
III	**Nationalist Economic Thought.** Mahatma Gandhi's economic ideas-Village self-reliance; Economic Thought of Dr. B. R. Ambedkar- State Socialism; Jawaharlal Nehru's economic vision- Planning and Industrialisation; Mahatma Phule's economic thought- Agriculture and reasons for farmers' poverty.	15
IV	**Post-Independence Economic Thought:** Economic reforms of 1991; Amartya Sen—capability approach and human development; Jagdish Bhagwati—trade liberalization; Abhijit Banerjee—poverty alleviation	15

	and policy experiments.	
Suggested Evaluation Methods		
Internal Assessment: 30 ➢ **Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)** Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 Mid Term Exam :20		**End Term Examination:70** Theory
Part-C Learning Resources		

Recommended Books/E-Resources/LMS:

- Kautilya. (2000). *Arthashastra* (R. Shamasastry, Trans.). Low Price Publications. *(Original work published c. 300 BCE)*
- Naoroji, D. (1901). *Poverty and un-British rule in India*. Swan Sonnenschein & Co.
- Dutt, R. C. (1902). *The economic history of India*. Kegan Paul, Trench, Trübner & Co.
- Gandhi, M. K. (1938). *Hind Swaraj or Indian Home Rule*. Navajivan Publishing House. *(Original work published 1909).*
- Sen, A. (1999). *Development as freedom*. Oxford University Press.
- Ghosh, B. N. (2007). *Indian economic thought: A 19th-century perspective*. Routledge.
- Dutt, R., & Sundaram, K. P. M. (2021). *Indian economy*. S. Chand Publishing.
- Mishra, S. K., & Puri, V. K. (2020). *Indian economy*. Himalaya Publishing House.

Yama Verma

Semester 6

CC-A16
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	VI		
Name of the Course	**International Economics-II**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC		
Course Outcomes (CO)	After completing this course, the learner will be able to: CO1: Understand the theories of protection and develop the ability to appreciate economic integration and its impacts. CO2: Understand, explain, and present various approaches to foreign exchange rate determination. CO3: Understand and analyze the workings of International Financial Management and Institutions. CO4: Assess India's Foreign Trade Policy in a Global Context.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	**Free Trade and Protection:** Concept, arguments in favour of and against, methods of protection (tariff and non-tariff barriers to trade); and the concept of a trade war. India's Foreign Trade: Changes in the volume, composition, and direction of India's foreign trade since 1991.	15
II	Foreign Investment: Concept, Types, and Contribution of FDI in Economic development; Benefits and drawbacks of FDI to the Home nation and Host Nation. Multinational Corporation: Working and regulations of MNCs in India.	15
III	International Monetary System & International institutions: Brettonwood system and its breakdown. WTO & IMF: Objectives, Functions, and Advantages for India.	15
IV	Economic Integration: Objectives, Benefits, and Forms of Economic Integration—EU, ASEAN, NAFTA. Globalization: Concept, Indicators, and Implications on the Indian Economy.	15

Suggested Evaluation Methods

Internal Assessment: 30	**End Term Examination:70**
➢ **Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)** Attendance :5	Theory

Seminar/Presentation/Assignment/Quiz/Class Test etc. Mid Term Exam	:5 :20	

<table>
<tr><th>Part-C Learning Resources</th></tr>
<tr><td>Recommended Books/E-Resources/LMS:

Rana, K. C., & Verma, K. N. (2017). International economics. (7th ed.).Vishal Publishing.
Södersten, B. (1991). International economics (2nd ed.). Macmillan.
Salvatore, D. (1997). International economics (6th ed.). Prentice Hall.
Kucchal, S. C. (1992). International economics. Chaitanya Publishing House.
Kindleberger, C. P. (1973). International economics (5th ed.). Richard D. Irwin.
Feenstra, R. C., & Taylor, A. M. (2017). International economics (4th ed.). Worth Publishers.
</td></tr>
</table>

CC-A17
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	VI		
Name of the Course	**Public Finance-II**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC		
Course Outcomes (CO)	After completing this course, students will be able to: CO1: Understand the concept of fiscal federalism and analyse Centre–State financial relations in India. CO2: Evaluate fiscal policy, its instruments, and the implications of different types of budget deficits. CO3: Analyse issues related to public debt, its management, and sustainability in India. CO4: Assess fiscal reforms and institutional mechanisms like the FRBM framework in promoting fiscal discipline.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	**Fiscal Federalism in India.** Meaning and principles of fiscal federalism. Vertical and horizontal imbalances. Assignment of functions and revenues. Finance Commission (Role and Importance).	15
II	**Centre–State Financial Relations.** Centre-State financial relations in India. Resource transfer: Union to States and local bodies. Issues of state finances and indebtedness. Fiscal Responsibility and Budget Management (FRBM) framework.	15
III	**Fiscal Policy and Deficits.** Meaning and objectives of fiscal policy. Instruments of fiscal policy. Budget deficits: Revenue, Fiscal, Primary. Fiscal deficit in India: trends and implications.	15
IV	**Public Debt and Fiscal Reforms.** Meaning and types of public debt. Growth and composition of India's public debt. Debt management. Fiscal reforms in India.	15

Suggested Evaluation Methods

<table>
<tr><td>Internal Assessment: 30
Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)
Attendance :5
Seminar/Presentation/Assignment/Quiz/Class Test etc. :5
Mid Term Exam :20</td><td>End Term Examination:70
Theory</td></tr>
<tr><td colspan="2">Part-C Learning Resources</td></tr>
<tr><td colspan="2">Recommended Books/E-Resources/LMS:
• Musgrave, R. A., & Musgrave, P. B. (1989). Public finance in theory and practice (5th ed.). McGraw-Hill.
• Rosen, H. S., & Gayer, T. (2014). Public finance (10th ed.). McGraw-Hill Education.
• Bhatia, H. L. (2018). Public finance (30th ed.). Vikas Publishing House.
• Lekhi, R. K. (2017). Public finance. Kalyani Publishers.
• Singh, S. K. (2019). Public finance in theory and practice. S. Chand Publishing.
• Government of India. (2024). Economic survey. Ministry of Finance. https://www.indiabudget.gov.in
• Government of India. (2024). Union budget documents. Ministry of Finance. https://www.indiabudget.gov.in
• Reserve Bank of India. (2024). Annual report. https://www.rbi.org.in
• Cullis, J., & Jones, P. (2009). Public finance and public choice (2nd ed.). Oxford University Press.
• Stiglitz, J. E., & Rosengard, J. K. (2015). Economics of the public sector (4th ed.). W. W. Norton & Company.
• Mishra, S. K., & Puri, V. K. (2020). Indian economy. Himalaya Publishing House.
• Dutt, R., & Sundaram, K. P. M. (2021). Indian economy. S. Chand Publishing.</td></tr>
</table>

Yauna Verma

CC-A18
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	VI		
Name of the Course	**Financial Institutions and Markets**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC		
Course Outcomes (CO)	After completing this course, students will be able to: CO1: Explain the structure and functions of the financial system and evaluate financial sector reforms in India. CO2: Identify and analyse the role of various financial institutions in economic development. CO3: Understand the functioning of money and capital markets, along with regulatory mechanisms like SEBI. CO4: Examine global financial relations and the role of international financial institutions and regulatory frameworks.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 **Internal Assessment Marks: 30** **End Term Exam Marks: 70**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	Topics	Contact Hours
I	**Financial System – Structure and Reforms.** Meaning, nature, and functions of the financial system. Structure of the Indian financial system. Role of Reserve Bank of India (RBI) in regulating the financial system. Financial sector reforms in India (post-1991).	15
II	**Financial Institutions in India.** Banking institutions: Commercial banks, cooperative banks, and regional rural banks, Non-Banking Finance Companies (NBFC's). Development financial institutions: National Housing Bank (NHB), National Bank for Agriculture and Rural Development (NABARD), Small Industries Development Bank of India (SIDBI). Role of financial institutions in economic development.	15
III	**Financial Markets in India.** Money Market: Meaning, instruments (Treasury Bills, Commercial Paper, Certificates of Deposit). Capital Market: Primary and secondary markets. Role of Securities and Exchange Board of India (SEBI). Government securities market and bond market.	15
IV	**Global Financial Relations.** Meaning and importance of international financial relations. International financial institutions: International Monetary Fund (IMF), World Bank. Role of central banks and global	15

Neena Verma

	coordination. Financial regulation and reforms (Basel norms).	

<table>
<tr><td colspan="2" align="center">Suggested Evaluation Methods</td></tr>
<tr><td>Internal Assessment: 30
➢ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)
Attendance :5
Seminar/Presentation/Assignment/Quiz/Class Test etc. :5
Mid Term Exam :20</td><td>End Term Examination:70
Theory</td></tr>
<tr><td colspan="2" align="center">Part-C Learning Resources</td></tr>
</table>

Suggested Readings

- Pathak, B. V. (2018). *The Indian financial system* (5th ed.). Pearson.
- Khan, M. Y. (2017). *Indian financial system* (10th ed.). McGraw-Hill Education.
- Bhole, L. M., & Mahakud, J. (2017). *Financial institutions and markets: Structure, growth and innovations* (6th ed.). McGraw-Hill Education.
- Gurusamy, S. (2015). *Financial markets and institutions* (3rd ed.). McGraw-Hill Education.
- Gordon, E., & Natarajan, K. (2016). *Financial markets and services*. Himalaya Publishing House.
- Mishkin, F. S. (2019). *The economics of money, banking, and financial markets* (12th ed.). Pearson.
- Fabozzi, F. J., Modigliani, F., & Jones, F. J. (2010). *Foundations of financial markets and institutions* (4th ed.). Pearson.
- Salvatore, D. (2019). *International economics* (13th ed.). Wiley.
- Krugman, P. R., Obstfeld, M., & Melitz, M. J. (2018). *International economics: Theory and policy* (11th ed.). Pearson.

MIC-6
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	VI		
Name of the Course	**Gender and Development**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MIC		
Learning Outcomes (LO)	After completing this course, the learner will be able to: CO1: Analyze the extent of gender-sensitivity of development interventions. CO2: Critically analyze gender differentials in selected development sectors. CO3: Identify appropriate research designs and methodologies for a range of research problems. CO4: Suggest positive affirmative action in development planning and practice to promote gender equity and equality.		
	Theory	Tutorial	Total
Credits	03	1	04
Contact Hours	03	1	04
Max. Marks:100 Internal Assessment Marks:30 End Term Exam Marks:70	Time Hours: 3 Hrs		

Instructions for Paper Setters

1. Nine Questions will be set in all, and students will be required to attempt 5 questions.
2. Questions No. 1 will be Compulsory and will consist of 7 short-answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks)
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Unit	**Topics**	**Contact Hours**
I	Concept in gender and development studies: Distinction between Gender and sex, women in development (WID), and women and development (WAD).	15
II	Gender and Agrarian Structure, Gender – Segregated role and responsibilities in the agriculture sector; Gender – Segregated agriculture labour market; new farm technology and its gendered implications with special reference to India, displacement of Labour.	15
III	Gender and Industrial Structure Formal and informal manufacturing – Orientation of industrial production and generation of employment; Gender differentiated impact of economic liberalization and Trade-oriented growth.	15
IV	Gender and Economic Policy Poverty, Unemployment and Development; Feminization of urban labour market-concepts, debate and evidence from India; Committee on Status of Women in India; National Commission on Self-Employed, Women and Women in the Informal Sector.	15

Suggested Evaluation Methods

Internal Assessment: 30	**End Term**

Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) ➢ Attendance :5 ➢ Seminar/Presentation/Assignment/Quiz/Class Test etc. :5 ➢ Mid Term Exam :20	**Examination:70** Theory

Part- C Learning Resources

Recommended Books/ E- Resources/ LMS:

- Aggarwal, B. (1988). Patriarchy and the modernizing state: An introduction. In B. Aggarwal (Ed.), *Structure of patriarchy*. Kali for Women.
- Ahmed, I. (1994, April 30). Technology and feminization of work. *Economic and Political Weekly, 29*(18).
- Banks, O. (1981). *Faces of feminism: A study of feminism as a social movement*. St. Martin's Press.
- Bhasin, K., & Khan, N. S. (1986). *Some questions on feminism*. Kali for Women.
- Boserup, E. (1970). Introduction. In *Women's role in economic development*. George Allen & Unwin.
- Caplan, P.(1987). *The cultural construction of sexuality*. Routledge.
- Desai, N., & Krishnaraj, M. (Eds.). (1987). *Women and society in India*. Ajanta Publications.
- Eisenstein, H. (1984). *Contemporary feminist thought*. Unwin.
- Eisenstein, Z. (1979). *Capitalist patriarchy and the case for socialist feminism*. Monthly Review Press.
- Everett, J. M. (1985). *Women and social change in India*. Heritage Publishers.
- Firestone, S. (1971). *The dialectic of sex*. Bantam Books.
- Freeman, J. (1975). *The politics of women's liberation*. Longman.
- Ghadially, R. (1989). *Women in Indian society*. Sage Publications.
- Goel, A. (2004). *Organization and structure of women development and empowerment*. Deep & Deep Publications.
- Government of India. (1975). *Towards equality: Report of the committee on the status of women in India*. Government of India.
- Government of India. (1988). *National commission on self-employed women and women in the informal sector*. Government of India.
- Jayawardena, K. (1986). *Feminism and nationalism in the Third World*. Kali for Women.
- Jayawardena, K. (1987). *Feminism and nationalism in the Third World*. Institute of Social Studies.
- Kabeer, N. (1994). *Reversed realities: Gender hierarchies in development thought* (pp. 1–39). Kali for Women.
- Krishnaraj, M.(1990). *Feminist concepts* (Parts 1–3). SNDT Women's University.
- Krishnaraj, M., & Chanana, K. (1989). *Gender and household domain: Social and cultural dimensions*. Sage Publications.
- Lerner, G. (1986). *The creation of patriarchy*. Oxford University Press.
- Mies, M. (1980). *Indian women and patriarchy*. Concept Publishing.
- Moghadam, V. M. (1996). The feminization of poverty: Notes on a concept and trends.
- Mosse, J. C. (1993). *Half the world, half a chance: An introduction to gender and development*. Oxfam.
- Oakley, A., & Mitchell, J. (Eds.). (1998). *Who's afraid of feminism? Seeing through the backlash*. Penguin.
- Rajput, P., & Kaur, M. (2003). Women's studies in higher education in India: Some reflections. *Samyukta, 3*(1).
- Roberts, H. (1981). *Doing feminist research*. Routledge.
- Ruth, S. (1990). *Issues in feminism: An introduction to women's studies*. Mayfield Publishing.
- Thompson, A., & Wilcox, H. (1989). *Teaching women: Feminism and English studies*. Manchester University Press.

VOC-7
(Bachelor of Arts with Major in Economics)

Part-A Introduction			
Subject	Economics		
Semester	VI		
Name of the Course	**Introduction of Data Analysis**		
Course Code			
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	VOC		
Learning Outcomes (LO)	After completing this course, the learner will be able to: CO1: To understand the concept and types of data (qualitative, quantitative, primary, secondary, etc.) and their importance in research, especially in the humanities and social sciences. CO2: To develop knowledge of sampling techniques, including simple random, stratified, systematic, and cluster sampling, and understand their practical applications. CO3: To learn methods of data collection, such as surveys, observation, experiments, interviews, and questionnaires, and to organize data effectively. CO4: To classify and manage data into different forms like individual, discrete, and continuous series. CO5: To understand graphical representations of data, including bar graphs, histograms, line graphs, and pie charts, along with their interpretation. CO6: To build practical skills in data handling, including data collection, classification, and presentation using tools like MS Excel.		
Credits	Theory	Practical	Total
	02	2	04
Contact Hours	02	4	06
Max. Marks: 100 **Internal Assessment Marks: 15** **End Term Exam Marks: 35** **Practical internal Marks: 15** **Practical External Marks: 35**	**Time: 3 Hrs**		

Part-B Contents of the Course

Instructions for Paper Setters

1. Nine questions will be set in all, and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short-answer type questions of 1 mark from the entire syllabus (1*7=7 Marks)
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four unit (7 marks each)

Unit	Topics	Contact Hours
I	**Introduction to Data** Meaning of Data. Types of Data: qualitative, quantitative, primary, secondary, numerical, and categorical data. Importance and uses of data in the Humanities and Social Science. Relevance of data in scientific research.	7
II	**Sampling technique** Population vs Sample, Simple Random Sampling: lottery method, random number table. Stratified Random Sampling, Systematic Sampling, and Cluster Sampling.	7

III	**Data Collection** Methods of Primary data Collection: surveys, experiment, observation, interview, and questionnaire. Classification of data in different series (Individual, discrete, and continuous series). Sources of Secondary data.	8
IV	**Representation of data** Graphical presentation of data: Meaning and Importance of graphical presentation. Concept and uses of Bar graphs, Histograms, line graphs, and Pie diagram, including their numerical representation.	8
	Note: Syllabus For Practical Exam 1. Collection of primary data through different Methods. 2. Classification and Presentation of Data in MS Excel. 3. Presentation of different graphs and diagrams in MS Excel.	60

Suggested Evaluation Methods

Internal Assessment: 15 ➢ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Attendance :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. : Mid Term Exam :10 ➢ Practicum : 15 Attendance **: 05** Practical Assignments/Practical File/ Practical Sessional **:10**	**End Term Examination:35** Theory **Practical External: 35**

Part-C Learning Resources

- Newbold, P., Carlson, W. L., & Thorne, B. (2013). *Statistics for business and economics* (8th ed.). Pearson Education.
- Gupta, S. C., & Kapoor, V. K. (2020). *Fundamentals of applied statistics* (4th ed.). Sultan Chand & Sons.
- Levin, R. I., & Rubin, D. S. (2017). *Statistics for management* (8th ed.). Pearson Education.
- Kothari, C. R. (2004). *Research methodology: Methods and techniques* (2nd ed.). New Age International.

SEC-3
(Bachelor of Arts with Major in Economics)

<table>
<tr><th colspan="4">Part-A Introduction</th></tr>
<tr><td>Subject</td><td colspan="3">Economics</td></tr>
<tr><td>Semester</td><td colspan="3">VI</td></tr>
<tr><td>Name of the Course</td><td colspan="3">Research Methodology</td></tr>
<tr><td>Course Code</td><td colspan="3"></td></tr>
<tr><td>Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC</td><td colspan="3">SEC</td></tr>
<tr><td>Learning Outcomes (LO)</td><td colspan="3">After completing this course, the learner will be able to:
CO1: Understand the fundamentals of research, including its meaning, objectives, and significance in academic and real-world contexts.
CO2: Differentiate between types of research, such as descriptive, exploratory, and empirical research.
CO3: Apply the scientific method in research, including steps like observation, literature review, hypothesis formulation, research design, data collection, analysis, and drawing conclusions.
CO4: Distinguish between population and sample and select appropriate sampling techniques (random, stratified, systematic, multistage, and quota sampling).
CO5: Identify and classify different types of data, including cross-sectional, time-series, pooled, and panel data.
CO6: Understand the structure of a research paper, including abstract, introduction, methodology, results, discussion, and references.
CO7: Demonstrate awareness of research ethics, including the importance of honesty, integrity, and responsible use of data.
CO8: Recognize and avoid plagiarism, ensuring proper citation and ethical use of secondary data.</td></tr>
<tr><td rowspan="2">Credits</td><td>Theory</td><td>Practical</td><td>Total</td></tr>
<tr><td>02</td><td>1</td><td>03</td></tr>
<tr><td>Contact Hours</td><td>02</td><td>2</td><td>04</td></tr>
<tr><td>Max. Marks: 75
Internal Assessment Marks: 15
End Term Exam Marks: 35
Practical internal Marks: 5
Practical External Marks: 20</td><td colspan="3">Time: 3 Hrs</td></tr>
</table>

<table>
<tr><th colspan="3">Part-B Contents of the Course</th></tr>
<tr><td colspan="3">Instructions for Paper Setters
1. Seven questions will be set in all, and students will be required to attempt 4 questions.
2. Question No.1 will be compulsory and will consist of 8 short-answer type questions of 1 mark spread across the entire syllabus (1*8=8 Marks).
3. For the remaining three questions, Students will attempt 1 out of 2 questions from each of the three units (9 marks each).</td></tr>
<tr><td>Unit</td><td>Topics</td><td>Contact Hours</td></tr>
<tr><td>I</td><td>Introduction of Research: Meaning, Objectives, and their significance. Types of Research: Descriptive, Exploratory, and Empirical. Scientific method of Research: Steps in brief-Observation, Literature Review, Formulation of hypothesis, Research Design, Data Collection, Data Analysis, and Conclusion.</td><td>10</td></tr>
</table>

II	Population versus Sample. Methods of Sampling- Random Sampling, stratified sampling, systematic, multistage, and Quota sampling. Types of Data: Cross-sectional data, time series data, Pooled and Panel data.	10
III	Structure of a research paper: Abstract, Introduction, Methodology, Results, Discussion, Policy Implications, Bibliography, and References. Ethics and its importance in Research. Plagiarism and responsible use of secondary data.	10
	Note: Syllabus for practical exam 1. Formulation of a hypothesis for any interesting topic 2. Selection of the sample from the given population 3. Collection of data 4. Analysis of data with basic software (MS Excel) 5. Preparation of a research topic.	30

Suggested Evaluation Methods

Internal Assessment: 15 ➢ **Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)** Attendance : 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. : Mid Term Exam :10 ➢ **Practicum: 5** Attendance :5 Practical Assignments/Practical File/ Practical Sessional	**End Term Examination:35** Theory **Practical External: 20**

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Kothari, C. R. (2004). *Research methodology: Methods and techniques* (2nd ed.). New Age International.
- Creswell, J. W., & Creswell, J. D. (2018). *Research design: Qualitative, quantitative, and mixed methods approaches* (5th ed.). SAGE Publications.
- Kumar, R. (2019). *Research methodology: A step-by-step guide for beginners* (5th ed.). SAGE Publications.
- Bryman, A. (2016). *Social research methods* (5th ed.). Oxford University Press.
- Saunders, M., Lewis, P., & Thornhill, A. (2019). *Research methods for business students* (8th ed.). Pearson Education.
- Cooper, D. R., & Schindler, P. S. (2014). *Business research methods* (12th ed.). McGraw-Hill Education.
- Neuman, W. L. (2014). *Social research methods: Qualitative and quantitative approaches* (7th ed.). Pearson Education.
- Booth, W. C., Colomb, G. G., Williams, J. M., & Bizup, J. (2016). *The craft of research* (4th ed.). University of Chicago Press.