

# **GURU NANAK COLLEGE (AUTONOMOUS)**

(Affiliated to university of Madras and Accredited at A++ Grade By NAAC)

Guru Nanak Salai, Velachery, Chennai - 600042



**SCHOOL OF HUMANITIES**

**M.A. ECONOMICS**

**(For the PG Batch of 2024-26 and thereafter)**

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# **LOCF - LEARNING OUTCOME BASED CURRICULUM FRAMEWORK**

(For the PG batch of 2024-26 and thereafter)

## **Preamble**

### **1. About the Programme**

Economics is very much concerned with the application of variety of theoretical perspectives to issues of economic efficiency, economic growth, globalism, social justice, wealth and poverty, power, individual freedom, discrimination, cultural values and environmental concerns. Economics provides students with the analytical and critical thinking skills necessary for understanding these and other troubling problems facing the world. It renders substantial intellectual depth and interdisciplinary breadth as well as critical thinking. An Undergraduate and postgraduate degree and Research in Economics offers students hands on learning opportunities such as economic experiments, create economic web pages and participate in the field of research projects. The Economics major provides an excellent foundation for any career or graduate study in public policy analysis. The Knowledge and critical thinking skill in Economics helps to get jobs in both private and public sector and careers in managerial, administrative positions in banking, non-profit organizations and community service.

The Department of Economics is one of the oldest Departments in Guru Nanak College. It is one of the leading centres of learning Economics in the country. The Department has developed a unique and challenging curriculum and syllabus at the undergraduate and postgraduate levels. According to the changing scenario of higher education at global, national, regional and local level, curriculum is being designed. The curriculum offers quantitative and qualitative economics courses such as Micro Economics, Macro Economics,

History of Economic Thought, Statistics, Econometrics, Mathematical Economics, Environmental Economics, Development Economics, Industrial Economics, and Agricultural Economics etc. As a Postgraduate and Research Department of Economics, it provides a significant role to promote environmental sustainability and social inclusivity. Moreover, Students can earn academic credits for internships, Research, Community involvement in learning Economics and Think tank.

## **2. Vision**

To provide a high-quality education in Economics and Managerial Economics to future leaders of Industry, Government, and civil society and to create a commitment to academic excellence and lifelong learning.

## **3. Mission**

1. To provide a strong theoretical foundation
2. To create a collaborative teaching, learning and research environment that emphasizes social responsibility, ethical decision-making at a global perspective.
3. To ascertain that our students have the necessary interpersonal communication and leadership skills so that they can function as responsible citizens and effective leaders.
4. To ensure that our students have the integrative and critical thinking skills as well as quantitative and qualitative abilities to analyze complex domestic, economic, social and global problems.
5. To create a community of teacher-scholars and students who are actively engaged with each other and the world.

## **4. PROGRAM EDUCATIONAL OUTCOMES (PEOS)**

### **PEO1: Values of Life, Ethics & Social Concern**

The graduates exhibit truth, loyalty, and love as integral moral principles, thereby contributing to a society characterized by enhanced well-being and fundamental goodness in behavior.

### **PEO2: Employability & Entrepreneurship**

The graduates apply analytical, logical, and critical problem-solving skills in professional contexts, elevating employability and cultivating entrepreneurial capabilities through upskilling.

### **PEO3: Regional/National/Global Relevance & Competency**

The graduates foster advanced analytical skills and a heightened appreciation for current Regional/National/Global perspectives, enabling informed and sustainable decision-making in a dynamic environment.

### **PEO4: Skill Enhancement, Self-Directed & Lifelong Learning**

The graduates independently engage in skill-based learning, utilizing infrastructure and opportunities for continuous upskilling, enabling self-evaluation and lifelong excellence attainment.

### **PEO5: Research Skills & Innovation**

The graduates proficiently apply scientific reasoning, fostering creativity, strategic thinking, and effective problem-solving skills. They demonstrate a core competency in generating innovative ideas for advancements and inventions.

## 5. PROGRAM OUTCOMES (POS)

### **PO1: Critical Thinking, Reflective thinking & Decision Making**

Empower with critical and reflective thinking, develop the capacity to work in teams, build leadership and decision-making skills.

### **PO2: Analytical/ Scientific reasoning and Experiential Learning**

Develop analytical and scientific reasoning, and enrich with research aptitude through experiential learning.

### **PO3: Multidisciplinary approach and Ethics**

Excel in Multidisciplinary approach for Sustainable development and adhering to ethical values for a humane society.

### **PO4: Communication Skills & Digital Literacy**

Expert in communication skills and digital knowledge for their career growth and development.

### **PO5: Knowledge Management and Professional Competency**

Accomplish knowledge management for attaining professional competency.

## 6. PROGRAM SPECIFIC OUTCOMES (PSOS)

**PSO1:** Understand and apply economic theories in the real world.

**PSO2:** Provide solutions for several socio-economic problems in a systematic manner.

**PSO3:** Application of statistical and econometric tools to provide solutions for market and Government failure.

**PSO4:** Critically analyze all public and private policies to achieve maximum social and private benefit and minimum social and private cost.

**PSO5** Develop critical and analytical thinking abilities to provide solutions for the problems on environment, health, finance, etc., and frame effective and efficient policies.

## 7. PEO – PO MAPPING

	<b>PEO 1</b>	<b>PEO2</b>	<b>PEO3</b>	<b>PEO4</b>	<b>PEO5</b>
<b>PO 1</b>	3	3	3	3	3
<b>PO 2</b>	3	3	3	3	3
<b>PO3</b>	3	3	3	3	3
<b>PO 4</b>	3	3	3	3	3
<b>PO 5</b>	3	3	3	3	3

## 8. PO – PSO MAPPING

	PO 1	PO2	PO3	PO4	PO5
PSO 1	3	3	3	3	3
PSO 2	3	3	3	3	3
PSO3	3	3	3	3	3
PSO 4	3	3	3	3	3
PSO 5	3	3	3	3	3

## 9. CHOICE BASED CREDIT SYSTEM (CBCS)

The College follows the CBCS with Grades under the Semester pattern. Each course is provided with a credit point based on the quantum of subject matter, complexity of the content and the hours of teaching allotted. This is done after a thorough analysis of the content of each subject paper by the members of the Board of Studies and with the approval of the Academic Council. Students are also offered a variety of Job oriented Elective, Multidisciplinary skill-based courses as part of the curriculum. Students can earn extra credits by opting for Massive Open Online Courses (MOOCs) and Certificate Courses.

The evaluation method under CBCS involves a more acceptable grading system that reflects the personality of the student. This is represented as Cumulative Grade Point Average (CGPA) and Grade Point Average (GPA) which are indicators of the Academic Performance of the student. It provides students with a scope for horizontal mobility and empowers them with the flexibility of learning at their convenience.

### ELIGIBILITY FOR ADMISSION

Candidates admitted to the first year of the UG programme should have passed the higher Secondary Examinations (Academic or Vocational Stream) conducted by the Government of Tamil Nadu or an examination accepted as equivalent thereof by the Syndicate of the University of Madras. Students applying for the PG programme should have taken the UG degree in the relevant subject from a recognized university as per the norms of the University of Madras.

For B.Com. (Hons): Candidates admitted to the first year of the B.Com. (Hons.) programme should have passed the higher secondary examinations conducted by the

Government of Tamil Nadu or an examination accepted as equivalent thereof by the Syndicate of the University of Madras with 75 % cut-off in Commerce/Business studies, Accountancy, Economics and Business Mathematics/ Mathematics.

For MBA: The basic requirement for admission to the MBA programme is a Bachelor's degree in any discipline with a minimum of 50% marks in aggregate and satisfactory test score in MAT Entrance Test conducted by AIMA, New Delhi / TANCET for MBA conducted by Government of Tamil Nadu / CAT / XAT or any other approved MBA Entrance Tests.

For MCA: Only those candidates who have passed B.C.A/B.Sc. in Computer Science or any other equivalent degree OR passed B.Sc./B.Com/BA with Mathematics at 10 + 2 level or at graduation level (with Optional bridge course in Mathematics), provided they have undergone the course under 10+2+3 pattern and obtained at least 50% of marks (45 % marks in case of candidates belonging to reserved category) in the qualifying examination shall be eligible for admission to the M.C.A. Programme.

### **DURATION OF THE COURSE**

The UG programme is of three years duration with six semesters and the PG programme is of two years duration with four semesters. The period from June to November is termed as the odd semester and the period from December to April is referred to as the even semester. Each semester must compulsorily have 90 working days before the students appear for the final End Semester Exam.

### **COURSE OF STUDY**

The main course of study for the Bachelor's Degree shall consist of the following:

#### **FOUNDATION COURSES**

PART - I: Tamil/ Hindi /Sanskrit/French

PART - II: English

#### **CORE COURSES**

PART - III: Consisting of (a) Main subject (b) Allied Subjects (c) Elective subjects related to the main subject of study and project work.

PART – IV: Those who have not studied Tamil up to XII standard and have taken a non-Tamil language under Part – I, shall opt for Basic Tamil in the first two semesters.



Those who have studied Tamil up to XII standard, and taken a non -Tamil language under Part – I, shall opt for Advanced Tamil in the first two semesters.

Others, who do not come under either of the clauses mentioned above, can choose a Non-Major Elective (NME) in the first two semesters.

Soft Skills (I, II, III & IV Semesters)

Self-Study (Compulsory) Course (III Semester)

Environmental Studies (IV Semester)

Value Education (V Semester)

Summer Internship (After IV Semester)

**PART - V: Compulsory Extension Services**

A Student shall be awarded one credit for compulsory extension service. A student must enroll in NSS / NCC /Sports & Games/ Citizen Consumer Club / Enviro Club or any other service organization in the College and should put in compulsory minimum attendance of 40 hours, which shall be duly certified by the Principal of the College. If a student lacks 40 hours compulsory minimum attendance in the extension services in any Semester, s/he shall have to compensate the same, during the subsequent Semesters.

### **COURSE STRUCTURE**

The UG programme consists of 15-19 Core courses with 3-4 credits for each paper, 3 Elective courses and 4 Allied courses with 4-5 credits for each paper in addition to 4 Soft Skill courses with two credits each. Internship as a compulsory component carries 2 credits. The B.Com. (Hons) course has 31 core courses of 4 credits each and project with 8 credits.

The MBA programme has 15 core courses including project work with 4 credits, 6 elective courses with 3 credits, 2 extra disciplinary courses with 3 credits, Four Soft Skill courses with two credits each.

The MCA programme has 15 core courses of 2-4 credits, 5 Elective courses of 3 credits, 2 Extra- disciplinary courses of 3 credits and a project work of 17 credits.

Internship training is a compulsory component for all the UG & PG programmes.

### 10. Consolidated Credit Structure for all the 2 years

	No. of Papers	Credits
<b>Core Courses</b>	14	56
<b>Project</b>	01	04
<b>Electives including extra disciplinary courses</b>	07 (5 + 2)	21
<b>Skill</b>	04	08
<b>Internship</b>	01	02
<b>Total</b>	<b>27</b>	<b>91</b>

### 11. Credit Distribution for Each Semester

Semester I Course Component	Subject	Hrs/Week	Credit	Marks		Total
				Internals	Externals	
Core I	Advanced Micro Economics	6	4	50	50	100
Core II	Indian Economic Development and Policy	6	4	50	50	100
Core III	Statistics for Economists	6	4	50	50	100
Core IV	Mathematical Economics I	6	4	50	50	100
Elective I	Population Studies	4	3	50	50	100
SS I	Communication and Presentation Skill	2	2	-	100	100
<b>Total</b>		<b>30</b>	<b>21</b>			

<b>Semester II</b>	<b>Subject</b>	<b>Hrs/Week</b>	<b>Credit</b>	<b>Marks</b>		<b>Total</b>
<b>Course Component</b>				<b>Internals</b>	<b>Externals</b>	
Core V	Monetary Economics	6	4	50	50	100
Core VI	International Economics	5	4	50	50	100
Core VII	Mathematical Economics II	5	4	50	50	100
Core VIII	Public Economics	5	4	50	50	100
Elective II	Environmental Economics	4	3	50	50	100
EDE I	Economics for Competitive Examination	3	3	50	50	100
SS II	Personality Enrichment	2	2	-	100	100
<b>Total</b>		<b>30</b>	<b>24</b>			

<b>Semester III</b>	<b>Subject</b>	<b>Hrs/Week</b>	<b>Credit</b>	<b>Marks</b>		<b>Total</b>
<b>Course Component</b>				<b>Internals</b>	<b>Externals</b>	
Core IX	Advanced Macro Economics	6	4	50	50	100
Core X	Econometric Methods	6	4	50	50	100
Core XI	Research Methodology	5	4	50	50	100
Elective III	Health Economics	4	3	50	50	100
Elective IV	Managerial Economics	4	3	50	50	100
EDE II	Gender Economics	3	3	50	50	100
SS III	Employability Skill	2	2	-	100	100
Internship	Internship	-	2	-	-	-
<b>Total</b>		<b>30</b>	<b>25</b>			

<b>Semester IV</b>	<b>Subject</b>	<b>Hrs/Week</b>	<b>Credit</b>	<b>Marks</b>		<b>Total</b>
<b>Course Component</b>				<b>Internals</b>	<b>Externals</b>	
Core XII	Development of Economic Doctrines	6	4	50	50	100
Core XIII	Industrial Economics	6	4	50	50	100
Core XIV	Development Economics	6	4	50	50	100
Core XV	Project	6	4	50	50	100
Elective V	Computer Applications in Economics	4	3	50	50	100
SS IV	Advanced Computing Paradigms	2	2	-	100	100
<b>Total</b>		<b>30</b>	<b>21</b>			
<b>Total Credits</b>			<b>91</b>			
*One Outreach, Industrial Visit and Field Visit are Compulsory						
** Introduced 3 Self Study Courses						

## **EXAMINATION**

Continuous Internal Assessment (CIA) will be for 50 percent and

End Semester Examination (ESE) will be for 50 percent.

### **CONTINUOUS INTERNAL ASSESSMENT (CIA)**

Every semester will have a mid-semester examination which will be conducted on completion of 45 working days in each semester. A Model exam for three hours duration will be conducted on completion of 80 working days in each semester. For the courses coming under Part IV, ESE will be conducted in MCQ pattern. Internship credits will be given in semester V after verification of documents by the respective Heads.

The schedule for these tests is as follows:

<b>CIA</b>	<b>Schedule</b>	<b>Syllabus Coverage</b>
Mid Semester Examination	After <b>45</b> working days of the Semester	60%
Model Examination	After <b>80</b> working days of the Semester	95%

The components for the CIA (Theory & Practical) are as follows:

<b>Internal Components</b>			
<b>Assessment Type</b>	<b>Nature</b>	<b>Maximum Marks</b>	<b>% of Weightage</b>
CIA	Mid Semester Examination	50	10
Model	Model Examination	100	10
	Assignment		10
	Class activities		15
	Attendance		5
Total			50

The class activity relates to a programme of accepted innovative techniques such as Seminar, Quiz, Portfolio creation, PowerPoint presentation, Objective tests, Role play, Group discussion, Case Study etc. The mode of evaluation of the class activity will be fixed before the commencement of the semester and an approval will be obtained from the Head of the programme/wing. The students will be informed of the various methods of evaluation once the semester begins.

A record of all such assessment procedures will be maintained by the department and is open for clarification. Students will have the right to appeal to the Principal in case of glaring disparities in marking. CIA marks for practical subjects will be awarded by the respective faculty based on the performance of the student in the model practical examination, observation notebook, submission of record books, regularity and attendance for the practical classes. The attendance particulars for practical classes will be maintained by the concerned faculty. The marks for attendance will be awarded as per the following:

<b>% of General Attendance</b>	<b>Marks Awarded</b>
90-100	5
75-89	4
60-74	3
<60	0

## **END SEMESTER EXAMINATIONS (ESE)**

After the completion of a minimum of 90 working days each semester, the End Semester Examinations will be conducted. Examinations for all UG and PG programmes will be held for all courses in November/December and April/May. Practical examinations will be conducted only during the end of the odd / even semester before, during or after the commencement of the theory exam. The schedule for ESE Practical's will be notified by the Controller of Examinations in consultation with the Dean (Academics).

### **12. Mode of Evaluation**

<b>METHODS OF EVALUATION</b>		
<b>Internal Evaluation</b>	Mid Sem Exam (10)	50 Marks
	Model Exam (10)	
	Assignment (10)	
	Class activity (15)	
	Attendance (5)	
<b>External Evaluation</b>	End Semester Examination	50 Marks
<b>Total</b>		100 Marks

### 13. Method of Assessment

<b>Remembering (K1)</b>	<ul style="list-style-type: none"> <li>• The lowest level of questions requires students to recall information from the course content</li> <li>• Knowledge questions usually require students to identify information in the textbook.</li> <li>• Suggested Keywords:</li> <li>• <b>Choose , Define, Find, How, Label, List, Match, Name, Omit, Recall, Relate, Select, Show, Spell, Tell, What, When, Where, Which, Who, Why</b></li> </ul>
<b>Understanding (K2)</b>	<ul style="list-style-type: none"> <li>• Understanding off acts and ideas by comprehending organizing, comparing, translating, interpolating and interpreting in their own words.</li> <li>• The questions go beyond simple recall and require students to combined at altogether</li> <li>• Suggested Keywords:</li> <li>• <b>Classify, Compare, Contrast, Demonstrate, Explain, Extend Illustrate, Infer, Interpret, Outline, Relate, Rephrase, Show, Summarize, Translate</b></li> </ul>
<b>Application (K3)</b>	<ul style="list-style-type: none"> <li>• Students have to solve problems by using / applying a concept learned in the classroom.</li> <li>• Students must use their knowledge to determine a exact response.</li> <li>• Suggested Keywords:</li> <li>• <b>Apply, Build, Choose, Construct, Develop, Experiment with, Identify, Interview, Make use of, Model, Organize, Plan, Select, Solve, Utilize</b></li> </ul>
<b>Analyze (K4)</b>	<ul style="list-style-type: none"> <li>• Analyzing the question is one that asks the students to breakdown something into its component parts.</li> <li>• Analyzing requires students to identify reasons causes or motives and reach conclusions or generalizations.</li> <li>• Suggested Keywords:</li> <li>• <b>Analyze, Assume, Categorize, Classify, Compare, Conclusion, Contrast, Discover, Dissect, Distinguish, Divide, Examine, Function, Inference, Inspect, List, Motive, Relationships, Simplify, Survey, Take part in, Test for, Theme</b></li> </ul>
<b>Evaluate (K5)</b>	<ul style="list-style-type: none"> <li>• Evaluation requires an individual to make judgment on something.</li> <li>• Questions to be asked to judge the value of an idea, a character, a work of art, or a solution to a problem.</li> <li>• Students are engaged in decision-making and problem–solving.</li> <li>• Evaluation questions do not have single right answers.</li> <li>• Suggested Keywords:</li> <li>• <b>Agree, Appraise, Assess, Award, Choose, compare, Conclude, Criteria, Criticize, Decide, Deduct, Defend, Determine, Disprove, Estimate, Evaluate, Explain, Importance, Influence, Interpret, Judge, Justify, Mark, Measure, Opinion, Perceive, Prioritize, Prove, Rate, Recommend, Rule on, Select, Support, Value</b></li> </ul>

<b>Create (K6)</b>	<ul style="list-style-type: none"><li>• The questions of this category challenge students to get engaged in creative and original thinking.</li><li>• Developing original ideas and problem solving skills</li><li>• Suggested Keywords:</li><li>• <b>Adapt, Build, Change, Choose, Combine, Compile, Compose, Construct, Create, Delete, Design, Develop, Discuss, Elaborate, Estimate, Formulate, Happen, Imagine, Improve, Invent, Make up, Maximize, Minimize, Modify, Original, Originate, Plan, Predict, Propose, Solution, Solve, Suppose, Test, Theory</b></li></ul>
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## School of Humanities: M.A. Economics Curriculum Structure (P.G.) for the Batch of 2024 - 2026

Components	No. of Courses	Semester	Name of the Course	Credit per Course	Total Credits	Total Teaching Hours per Week
Core Paper	14	I	Advanced Micro Economics	4	56	4 - 6
		I	Indian Economic Development and Policy			
		I	Statistics for Economists			
		I	Mathematical Economics I			
		II	Monetary Economics			
		II	International Economics			
		II	Mathematical Economics II			
		II	Public Economics			
		III	Advanced Macro Economics			
		III	Econometric Methods			
		III	Research Methodology			
		IV	Development of Economic Doctrines			
		IV	Industrial Economics			
IV	Development Economics					
Core (Project)	1	IV	Project	4	4	4 - 8
Electives	5	I	Population Studies	3	15	3 - 4
		II	Environmental Economics			
		III	Health Economics			
		IV	Managerial Economics			
		V	Computer Applications In Economics			
Extra Disciplinary courses - EDE	2	II	Economics for Competitive Examination	3	6	3 - 4
		III	Gender Economics			
Soft Skill	4	I	Communication and Presentation Skill	2	8	2
		II	Personality Enrichment			
		III	Employability Skill			
		IV	Advanced Computing Paradigms			
Internship	1	III	Internship	2	2	--
<b>Total Credits</b>					<b>91</b>	
*One Outreach, Industrial Visit and Field Visit are Compulsory						
** Introduced 3 Self Study Courses						



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## Curriculum Structure (P.G.) for the Batch of 2024 -2026

### SEMESTER WISE P.G. COURSE STRUCTURE FOR AY: 2024-26

#### SCHOOL OF HUMANITIES

#### M.A. ECONOMICS

Semester	Course Component	Name of the Course	Credits	Hour/ week	CIA	ESE	Total
I	Core I	Advanced Micro Economics	4	6	50	50	100
	Core II	Indian Economic Development and Policy	4	6	50	50	100
	Core III	Statistics for Economists	4	6	50	50	100
	Core IV	Mathematical Economics I	4	6	50	50	100
	Elective I	Population Studies	3	4	50	50	100
	SS I	Communication and Presentation Skill	2	2	-	100	100
<b>Total</b>			<b>21</b>	<b>30</b>			

Semester	Course Component	Name of the Course	Credits	Hour/ week	CIA	ESE	Total
II	Core V	Monetary Economics	4	6	50	50	100
	Core VI	International Economics	4	5	50	50	100
	Core VII	Mathematical Economics II	4	5	50	50	100
	Core VIII	Public Economics	4	5	50	50	100
	Elective II	Environmental Economics	3	4	50	50	100
	EDE – I	Economics for Competitive Examination	3	3	50	50	100
	SS II	Personality Enrichment	2	2	-	100	100
<b>Total</b>			<b>24</b>	<b>30</b>			



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Semester	Course Component	Name of the Course	Credits	Hour/week	CIA	ESE	Total
III	Core IX	Advanced Macro Economics	4	6	50	50	100
	Core X	Econometric Methods	4	6	50	50	100
	Core XI	Research Methodology	4	5	50	50	100
	Elective III	Health Economics	3	4	50	50	100
	Elective IV	Managerial Economics	3	4	50	50	100
	EDE – II	Gender Economics	3	3	50	50	100
	SS III	Employability Skill	2	2	-	100	100
	Internship	Internship	2	-	-	-	-
<b>Total</b>			<b>25</b>	<b>30</b>			

Semester	Course Component	Name of the Course	Credits	Hour/week	CIA	ESE	Total
IV	Core XII	Development of Economic Doctrines	4	6	50	50	100
	Core XIII	Industrial Economics	4	6	50	50	100
	Core XIV	Development Economics	4	6	50	50	100
	Core XV	Project	4	6	50	50	100
	Elective V	Computer Applications In Economics	3	4	50	50	100
	SS IV	Advanced Computing Paradigms	2	2	-	100	100
	<b>Total</b>			<b>21</b>	<b>30</b>		
<b>Total Credits</b>			<b>91</b>				

\*One Outreach, Industrial Visit and Field Visit are Compulsory

\*\* Introduced 3 Self Study Courses

# **SEMESTER - I**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: CORE I</b>
<b>COURSE NAME: ADVANCED MICRO ECONOMICS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: I</b>	<b>MARKS:100</b>
<b>CREDITS: 4</b>	<b>TOTAL HOURS: (6) 90</b>
<b>THEORY</b>	

**COURSE OBJECTIVE:**

- The objective is to teach students about consumer behavior through demand and production theories, as well as elucidate different market structures and distribution theories.

**COURSE OUTCOMES:**

1. Examine various theories of consumer behavior.
2. Evaluate different techniques in inter-temporal choice.
3. Critically analyse different market structure models.
4. Application of alternative theories of firms to make proper decision-making in business.
5. Examine Neo-classical and modern theories of distribution.

**UNIT 1 - Consumer Choice**

**(18 HOURS)**

Cardinal and ordinal utility - Indifference curve approach – Slutsky’s Decomposition of price effect into substitution effect and income effect – Consumer surplus - Marshall’s and Hicksian measures – Compensatory Demand Curve- Revealed Preference Theorem- and derivation of Marginal Utility schedule for money income.

**UNIT II - Economics of Information**

**(18 HOURS)**

Informational asymmetry – Choice under Uncertainty - N-M Index – Inter-temporal choice -Market for lemons- Adverse selection – Insurance market and adverse selection – Solution to principal agent problem- Hidden action (Moral Hazard) - Signaling and Screening.

**UNIT III - Market Structure Models**

**(18 HOURS)**

Perfect competition – Price and output determination – Optimum firm- Monopoly – Short run and long run equilibrium - Price discrimination monopoly control, and regulation – Contestable Market- Monopolistic competition–Chamberlin Model- selling costs - Excess capacity – Oligopoly – Duopoly price game-dominant strategy-Nash Equilibrium Non-collusive Models - Cournot-Bertrand – Chamberlin – Edgeworth –Sweezy – Stackelberg- Oligopoly – Collusive Models -

Cartels and mergers -Price leadership - Base point price system - Monopsony – Price and output determination – Workable competition.

**UNIT IV- Alternative Theories of Firm**

**(18 HOURS)**

Full Cost Pricing Rule- Limits pricing theory- Bains Theory- Sylos-Labini Model-Modigliani's Models- Input-output model -Linear programming applications in decision making- Peak Load Pricing – Administered Pricing- Purchasing Power Parity Price.

**UNIT V - Distribution Theories**

**(18 HOURS)**

Neo-classical approach – Marginal productivity theory: Ricardian theory, Schumpeter, Product exhaustion theorem; - Modern theory of distribution – Factor Pricing in imperfect product and factor markets- Determination of Wages - Labour supply and wage determination - Role of trade unions and collective bargaining- Theories of Interest- Theories of Profit.

**PRESCRIBED BOOKS:**

1. Jhingan M. L, (2004 Reprint). *Advanced Economic Theory*. (Vrindha Publications (P) Ltd., New Delhi.
2. Agarwal, H. S. *Micro Economic Theory*. (Ane's Books Pvt. Ltd.,) New Delhi.

**REFERENCE BOOKS:**

1. Hal R. Varian (2004). *Intermediate Micro Economics*. (East-West Press: New Delhi).
2. Ruffin Roy. J (1992). *Intermediate Micro Economics*. Harper & Collins Publishers.
3. Koutsiyannis A. (1978). *Modern Micro Economics*.(Macmillan- London).

**E-LEARNING RESOURCES:**

1. <http://open.oregonstate.education/intermediatemicroeconomics/chapter/module-1>
2. [http://saylordotorg.github.io/text\\_introduction-to-economicanalysis/s16-monopoly.html](http://saylordotorg.github.io/text_introduction-to-economicanalysis/s16-monopoly.html)
3. [http://saylordotorg.github.io/text\\_introduction-to-economicanalysis/s17-games-and-strategic-behaviour.html](http://saylordotorg.github.io/text_introduction-to-economicanalysis/s17-games-and-strategic-behaviour.html)

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
<b>A</b>	<i>Answer any 10 out of 12 questions(each in 50 words)</i>	<i>1-12</i>	<i>3</i>	<i>30</i>
<b>B</b>	<i>Answer any 5 out of 7 questions(each in 300 words)</i>	<i>13-19</i>	<i>6</i>	<i>30</i>
<b>C</b>	<i>Answer any 4 out of 6 questions(each in 1200 words)</i>	<i>20-25</i>	<i>10</i>	<i>40</i>
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	2	2
II	2	1	1
III	3	2	1
IV	2	1	1
V	2	1	1
<b>TOTAL</b>			
<b>SECTION A - 12</b>		<b>SECTION B - 7</b>	<b>SECTION C - 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3

### PSO-CO-Question Paper Mapping

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Examine various theories of consumer behavior.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Evaluate different techniques in inter-temporal choice.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Critically analyse different market structure models.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Application of alternative theories of firms to make proper decision-making in business.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Examine Neo-classical and modern theories of distribution.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**



<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 – 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: CORE II</b>
<b>COURSE NAME: INDIAN ECONOMIC DEVELOPMENT AND POLICY</b>	<b>COURSE CODE:</b>
<b>SEMESTER: I</b>	<b>MARKS:100</b>
<b>CREDIT: 4</b>	<b>TOTAL HOURS: (6) 90</b>
<b>THEORY</b>	

### **COURSE OBJECTIVE:**

- The objectives are to impart a macroeconomic understanding of the Indian economy and to raise students' awareness of its diverse challenges.

### **COURSE OUTCOMES:**

1. Examine the structural changes in the Indian economy.
2. Assess the performance of agricultural and industrial sectors.
3. Develop the performance of manufacturing and service sector.
4. Analyse causes and provide solutions for poverty.
5. Critically evaluate different policies on social issues such as unemployment and gender disparities.

### **UNIT 1 - Introduction**

**(18 HOURS)**

Growth and Structural Change Indian economy at Independence- The policy framework: statist policy, transition to market-oriented policy, role of Planning Commission and NITI Aayog and a comparison between Planning Commission and NITI Aayog. Two phases of growth (1950-1980 and 1980 onwards), factors underlying turnaround- Structural change in Indian economy.

### **UNIT II - Agricultural and Industrial Sector**

**(18HOURS)**

Agricultural and Industrial Sectors - Agricultural Sector: Performance of agricultural sector, factors determining agricultural growth - Factors underlying food inflation- Agricultural price policy and food security Industrial Growth - Industrial growth before and after reforms - Dualism in Indian manufacturing- Issues in performance of public sector enterprises and privatization- PPP model.

### **UNIT III - Fiscal Developments**

**(18 HOURS)**

Fiscal Developments, Finance and External Sector Expenditure trends- GST: rationale and impact- Evolution of the financial sector in post-liberalization period- External sector performance: emergence of India as major exporter in services, performance of manufacturing sector.

**UNIT IV - Poverty and Inequality****(18HOURS)**

Poverty and Inequality – Measurement of Poverty and Inequality: Selection of poverty lines- Poverty in pre and post-liberalization periods- Impact of growth on poverty- PDS vs Cash transfers, feasibility of universal basic income in India - Inequality in India in pre and post liberalization periods.

**UNIT V - Social Sector****(18 HOURS)**

Social Issues Gender gap in India and trends in female labour force participation rates, factors determining female labour force participation- Employment: changing nature of employment in India, "jobless growth"- Labour in informal sector- India's demographic transition - GIG economy.

**PRESCRIBED BOOKS:**

1. Sundaram K P M., (2002), *Indian Economy*, 42 Revised Edition, S. Chand Publications.
2. Misra, S, & Puri, V., (2020.), *Indian Economy*, Revised Edition, S. Chand Publications.

**REFERENCE BOOKS:**

1. Kaushik Basu (2012). *Oxford Companion to Indian Economy*. 3rd Edition, OUP, New Delhi.
2. Uma Kapila (2018). *Indian Economy since Independence*. Academic Foundation, New Delhi, 29th Edition.
3. Ashima Goyal. *The Oxford Handbook of the Indian Economy in the 21st Century: Understanding the Inherent Dynamism*. Oxford University Press.

**E-LEARNING RESOURCES:**

1. <https://www.adb.org/countries/india/economy>
2. <https://www.oecd.org/economy/india-economic-snapshot/>
3. <https://www.indiabudget.gov.in/economicsurvey/>

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
A	Answer any 10 out of 12 questions(each in 50 words)	1-12	3	30
B	Answer any 5 out of 7 questions(each in 300 words)	13-19	6	30
C	Answer any 4 out of 6 questions(each in 1200 words)	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	2	1
II	2	1	1
III	2	1	1
IV	2	1	2
V	3	2	1
<b>TOTAL</b>			
<b>SECTION A - 12</b>		<b>SECTION B - 7</b>	<b>SECTION C - 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
CO 1	3	3	3	3	3
CO 2	3	3	3	3	3
CO 3	3	3	3	3	3
CO 4	3	3	3	3	3
CO 5	3	3	3	3	3
Ave.	3	3	3	3	3

### PSO-CO-Question Paper Mapping

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Examine the structural changes in the Indian economy.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Assess the performance of agricultural and industrial sectors.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Develop the performance of manufacturing and service sector.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Analyse causes and provide solutions for poverty.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Critically evaluate different policies on social issues such as unemployment and gender disparities.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: CORE III</b>
<b>COURSE NAME: STATISTICS FOR ECONOMISTS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: I</b>	<b>MARKS:100</b>
<b>CREDIT: 4</b>	<b>TOTAL HOURS: (6) 90</b>
<b>THEORY AND PROBLEMS</b>	

### **COURSE OBJECTIVE:**

- The course aims to establish a robust understanding of statistical concepts, foster proficiency in data management and research, and enable the construction, testing, and utilization of statistical models for forecasting by assessing relationships between multiple variables.

### **COURSE OUTCOMES:**

1. Application of probability techniques in economics.
2. Evaluate different sampling techniques and testing of hypothesis.
3. Apply different test of significance for large and small sample.
4. Application of one-way and two-way ANOVA to find out solutions for economic problems.
5. Evaluate various statistical decision making theories.

### **UNIT I - Probability**

**(18 HOURS)**

Probability - Addition and Multiplication Theorems - Conditional Probability - Discrete and Continuous - Random Variables - Mathematical Expectations – Bayes Theorem - Theoretical Distributions - Binomial, Poisson and Normal.

### **UNIT II - Sampling and Hypothesis Testing**

**(18 HOURS)**

Sampling Theory - Types of Sampling - Sampling Distributions – Population Parameter and Sample Statistic - Testing of Hypothesis - Level of Significance - Type I and Type II Errors - Standard Error - Properties of Estimator.

### **UNIT III - Test of Significance Large and Small Sample**

**(18 HOURS)**

Difference between Large and Small Samples - Test of Significance for Large Samples - Test for Two Means and Standard Deviations - Proportion and Confidence Interval - Small Sample Test – t-test - Paired t- test - Chi-square Test- Test of Goodness of Fit.

### **UNIT IV - Analysis of Variance**

**(18 HOURS)**

F-test: Assumptions in F-test - Analysis of Variance: Assumptions – One-Way and Two-Way Classifications.

### **UNIT V - Statistical Decision Theory**

**(18 HOURS)**

Definitions – Concepts – Maximin - Minimax - Bayes Criterion - Expected Monetary Value - Decision Tree Analysis: Symbols - Steps - Advantages and Limitations.

### **PRESCRIBED BOOKS:**

1. Gupta S.P (2017). *Statistical Methods*. Sultan Chand and Sons, New Delhi.
2. Anderson, Sweeney and Williams, (2014). *Statistics for Business and Economics*. Cengage, 2014.

### **REFERENCE BOOKS:**

1. Aggarwal. Y. P., 2002). *Statistics Methods–Concepts Application and Computation*. Sterling Publishers Private Ltd., New Delhi.
2. Vittal P. R. *Mathematical Statistics*. Margham Publications
3. Pillai R.S.N. and Bagavathi V (2010). *Statistics*. Sultan & amp; Chand Sons, New Delhi.

### **E-LEARNING RESOURCES:**

1. <https://www.statista.com>.
2. <https://techjury.net>
3. [https://dss.princeton.edu/online\\_help/analysis/interpreting\\_regression.htm](https://dss.princeton.edu/online_help/analysis/interpreting_regression.htm)

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
<b>A</b>	<i>Answer any 10 out of 12 questions(each in 50 words)</i>	<i>1-12</i>	<i>3</i>	<i>30</i>
<b>B</b>	<i>Answer any 5 out of 7 questions(each in 300 words)</i>	<i>13-19</i>	<i>6</i>	<i>30</i>
<b>C</b>	<i>Answer any 4 out of 6 questions(each in 1200 words)</i>	<i>20-25</i>	<i>10</i>	<i>40</i>
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	1	1
II	3	2	1
III	2	2	1
IV	3	1	2
V	2	1	1
<b>TOTAL</b>			
<b>SECTION A – 12</b>		<b>SECTION B - 7</b>	<b>SECTION C - 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3

### PSO-CO-Question Paper Mapping

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Application of probability techniques in economics.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Evaluate different sampling techniques and testing of hypothesis.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Apply different test of significance for large and small sample.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Application of one-way and two-way ANOVA to find out solutions for economic problems.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Evaluate various statistical decision making theories.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**



<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: CORE IV</b>
<b>COURSE NAME: MATHEMATICAL ECONOMICS – I</b>	<b>COURSE CODE:</b>
<b>SEMESTER: I</b>	<b>MARKS:100</b>
<b>CREDITS: 4</b>	<b>TOTAL HOURS: (6) 90</b>
<b>THEORY &amp; PROBLEMS</b>	

**COURSE OBJECTIVE:**

- To familiarize the students in mathematical models with solved application.

**COURSE OUTCOMES:**

On completion of the course the students will be able

1. To apply set theory in economics.
2. To demonstrate the applicability of straight line, parabola and rectangular hyperbola.
3. To differentiate convex and concave functions, logarithmic and exponential functions.
4. To apply different techniques of differentiation.
5. To demonstrate the applicability of potential derivations-maxima and minima.

**UNIT I: Set Theory and Economics (18 HOURS)**

Set Theory: Concept of Sets and notation for Sets – Relations between Sets - Operation on sets and Laws of set Operations - The real-number system - Properties of real numbers - solutions of Quadratic equations - Solutions of Linear Equations in two variables.

**UNIT II: Relations and Functions (18 HOURS)**

Relations and Functions: Functions of one variable - straight line, parabola, rectangular hyperbola Exponential and logarithmic functions. Concave and Convex functions - Indifference, Iso-quant and Transformation Curves - Application in business Economics.

**UNIT III: Introduction to Simple Derivatives (18 HOURS)**

Derivatives and their interpretation - Concept of Limit - techniques of derivatives – Derivative and slope of a curve – Continuity and differentiability of a function - Relationships among Total, Average and Marginal Revenue and Cost - Elasticity of Functions - Conditions for Extremum of Functions of one variable and Functions of two variable.

**UNIT IV: Applications of differential calculus****(18 HOURS)**

Applications of differential calculus - Rules of differentiation for a function of one variable – Differentiation involving two functions of the same variable and different variable – Partial differentiation: First and Second-order partial derivatives - Total differentials and total derivatives - Derivatives of implicit function and explicit functions.

**UNIT V: Differentiation and its applications in Economics****(18 HOURS)**

Unconstrained optimization: functions with two variables - Economic objectives of optimization – maxima and minima: identifying maxima and minima turning points – Maximum Total Revenue – Maximum Profit - Minimum Average Cost – Average and Marginal product of Labour Properties of Homogenous Functions – Uses of Homogenous Functions in Economics.

**PRESCRIBED BOOKS:**

1. Edward. T. Dowling, Mathematics for Economists, McGraw – Hill Book Company.
2. Mehta V.L. & Madnani, Mathematics for Economists, Sultan Chand and Sons.

**REFERENCE BOOKS:**

1. Allen R.G.D., Mathematical Analysis for Economists, Macmillan and Company Limited, London.
2. Chiang A.C., Fundamental Methods of Mathematical Economics, McGraw – Hill Book Company.
3. Stafford.L.W.T., Mathematics for Economist, The English Language Book Society and Macdonald and Evans Limited, London.
4. Mabbett. A.J., Mathematics for Economists, Macmillan Master Series.
5. Weber, Mathematics for Economists.
6. K. Sydsaeter and P. Hammond, Mathematics for Economic Analysis, Pearson Educational Asia: Delhi, 2002
7. Monga, G.S. Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi, 1972.

**E-LEARNING RESOURCES:**

1. <https://www.studocu.com/in/document/university-of-kerala/mathematical-economics/meaning-and-importance-of-mathematical-economics/26446205>
2. [https://sde.uoc.ac.in/sites/default/files/sde\\_videos/SLM-19360-Eco-Mathematical%20Economics.pdf](https://sde.uoc.ac.in/sites/default/files/sde_videos/SLM-19360-Eco-Mathematical%20Economics.pdf)
3. <https://people.tamu.edu/~gtian/Lecture%20Notes%20for%20ECON660%20and%20ECO N460-2021-09.pdf>
4. <https://nibmehub.com/opacservice/pdf/read/An%20Introduction%20to%20Mathematics%20for%20Economics.pdf>
5. <https://nou.edu.ng/coursewarecontent/FMT%20%2020204.pdf>
6. <https://ncjindalps.com/pdf/MATHEMATICS/MATHEMATICS%20FOR%20ECONOMI STS%20-%20LPU.pdf>
7. [https://statmath.wu.ac.at/courses/mvw\\_math1/download/Mathematics\\_1\\_oneside.pdf](https://statmath.wu.ac.at/courses/mvw_math1/download/Mathematics_1_oneside.pdf)

**GUIDELINES TO THE QUESTION PAPER SETTERS****QUESTION PAPER PATTERN**

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
<b>A</b>	<i>Answer any 10 out of 12 questions(each in 50 words)</i>	1-12	3	30
<b>B</b>	<i>Answer any 5 out of 7 questions(each in 300 words)</i>	13-19	6	30
<b>C</b>	<i>Answer any 4 out of 6 questions(each in 1200 words)</i>	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

**BREAK UP OF QUESTIONS FOR THEORY**

UNITS	SECTION A	SECTION B	SECTION C
I	3	1	1
II	2	2	1
III	2	1	2
IV	3	2	1
V	2	1	1
<b>TOTAL</b>			
<b>SECTION A - 12</b>		<b>SECTION B - 7</b>	<b>SECTION C - 6</b>

**PSO – CO Mapping**

	<b>PSO 1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO5</b>
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3

**PSO - CO - Question Paper Mapping**

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	To apply set theory in economics.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	To demonstrate the applicability of straight line, parabola and rectangular hyperbola.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	To differentiate convex and concave functions, logarithmic and exponential functions.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	To apply different techniques of differentiation.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	To demonstrate the applicability of potential derivations-maxima and minima.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: ELECTIVE I</b>
<b>COURSE NAME: POPULATION STUDIES</b>	<b>COURSE CODE:</b>
<b>SEMESTER: I</b>	<b>MARKS:100</b>
<b>CREDIT: 3</b>	<b>TOTAL HOURS: (4) 60</b>
<b>THEORY</b>	

### **COURSE OBJECTIVE:**

- The course aims to introduce demography basics, explore population growth theories, understand determinants of population growth, discuss population projection and demographic data sources, and educate on the relationship between population growth, economic development, and relevant policies such as family planning in India.

### **COURSE OUTCOMES:**

1. Apply the various theories of population in India.
2. Examine the determinants of population growth in India.
3. Compare the sources of demographic data and predict future population.
4. Analyze the causes and effects of population growth and provide solutions.
5. Evaluate population policy and family planning programme in India.

### **UNIT 1 - Introduction to Population Studies**

**(12 HOURS)**

Demography - Nature of Demography, Scope of Demography, Importance of Demography; Theories of Population Growth - The Malthusian Theory of Population and its Criticisms, The Optimum Theory of Population and its Criticism, The Theory of Demographic Transition and Its Criticism.

### **UNIT II - Population Growth**

**(12 HOURS)**

Population Growth - Determinants of Population Growth – Fertility - Crude Birth Rate, Total Fertility Rate, Gross Reproduction Rate, Net Reproduction Rate, Factors Affecting Fertility; Mortality - Crude Death Rate, Infant Mortality Rate - Causes of Infant Mortality, Factors Affecting Mortality, Causes of Decline in Mortality Rates in Developing Countries, Factors Responsible for Declining Mortality and Morbidity in India; Migration -Types of Migration, Factors Leading to Internal and External Migration, Effects of Migration.

**UNIT III - Population Projection and Demographic Data (12 HOURS)**

Population Projection - Meaning, Types of Population Projection, Methods of Population Projection, Importance of Population Projection, Limitations of Population Projection; Sources of Demographic Data: Population Census- NFHS, Methods of Census, Salient Features of Census, Uses of Census, Problems of Census, Registration Method, Sample Surveys, Sources of Demographic Data in India.

**UNIT IV- Population Explosion and Economic Development (12 HOURS)**

Population Explosion - Meaning, Causes for Rapid Growth of Population Explosion in India - Effects of Population Growth on Economic Development - Factors Promoting Economic Development, Factors Retarding Economic Development, Effects of Population Growth on Indian Economy, Measures to Control Population Growth in India.

**UNIT V - Population Policy and Family Planning in India (12 HOURS)**

Population Policy - National Population Policy 2000 - Objectives, Features and Shortcomings; Family Planning in India – Meaning, Need for Family Planning in India, Achievements of Family Planning/Welfare Programme, Challenges in the implementation of Family Planning/Welfare Programmes, Suggestions to Improve and Expand Family Planning/Welfare Programme.

**PRESCRIBED BOOKS:**

1. M. L. Jhingan, B. K. Bhatt and J. N. Desai (2016) *Demography, 3<sup>rd</sup> Edition*, Vrinda Publications Private Limited.
2. Rajendra K. Sharma (2017). *Demography and Population Problems*. Atlantic Publishers and Distributors Private Limited.
3. Shrivastava O.S. (2007). *Demography and Population Studies*. Quality Publishing Company.
4. Jain R.K. (2014). *Textbook of Population Studies*. Astha Publishers and Distributors.

**REFERENCE BOOKS:**

1. Asha A. Bhende and Tara Kanitkar (2017). *Principles of Population Studies*. Himalaya Publishing House.
2. V. C. Sinha and E. Zacharia (2017). *Element of Demography*. Allied Publishers Private Limited, 2017.
3. John Weeks (2005). *Population: An Introduction to Concepts and Issues*. 9th Edition, Wordsworth Learning, Singapore, 2005.

## E-LEARNING RESOURCES:

1. <https://www.sociologydiscussion.com/demography/demography-meaning-scope-and-importance-sociology/2932>
2. <https://www.economicdiscussion.net/theory-of-population/top-3-theories-of-population-with-diagram/18461>
3. <https://www.sociologydiscussion.com/demography/3-main-sources-of-demographic-data/3051>
4. <https://www.economicdiscussion.net/economic-growth/5-factors-that-affect-the-economic-growth-of-a-country/4199>
5. <https://www.yourarticlelibrary.com/essay/national-population-policy-of-india/41254>
6. <https://www.economicdiscussion.net/essays/family-planning-essays/essay-on-family-planning-programme-in-india/17533>

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
A	Answer any 10 out of 12 questions (each in 50 words)	1-12	3	30
B	Answer any 5 out of 7 questions (each in 300 words)	13-19	6	30
C	Answer any 4 out of 6 questions (each in 1200 words)	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	2	1
II	3	1	1
III	3	1	2
IV	2	1	1
V	1	2	1
<b>TOTAL</b>			
<b>SECTION A - 12</b>		<b>SECTION B - 7</b>	<b>SECTION C - 6</b>

**PSO – CO Mapping**

	<b>PSO 1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO5</b>
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3

**PSO-CO-Question Paper Mapping**

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Apply the various theories of population in India.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Examine the determinants of population growth in India.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Compare the sources of demographic data and predict future population.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Analyze the causes and effects of population growth and provide solutions.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Evaluate population policy and family planning programme in India.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**



<b>PROGRAMME: MASTER OF ARTS</b>	<b>BATCH: 2024-26</b>
<b>PART: B</b>	<b>COURSE COMPONENT: SOFT SKILLS I</b>
<b>COURSE NAME: COMMUNICATION AND PRESENTATION SKILLS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: I</b>	<b>MARKS:100</b>
<b>CREDITS: 2</b>	<b>TOTAL HOURS: 30</b>
<b>THEORY</b>	

**COURSE OBJECTIVE:**

- To build communication skills for personal and professional development.

**COURSE OUTCOMES:**

1. Students will demonstrate the ability to listen to others actively, understand diverse perspectives, and paraphrase key points accurately, enhancing their comprehension skills in various personal and professional contexts.
2. Students will be able to articulate thoughts, ideas, and information clearly and concisely, using appropriate language and structure to convey messages effectively in both written and verbal communication.
3. Students will develop confidence in expressing opinions, asserting boundaries, and advocating for themselves and others, enhancing self-assurance and effectiveness in interpersonal and group communication.
4. Students will learn to adapt their communication style and approach based on the audience, context, and purpose of communication, fostering flexibility and versatility in interacting with diverse individuals and groups.
5. Students will acquire techniques for resolving conflicts, managing disagreements, and negotiating mutually beneficial outcomes through effective communication strategies, promoting constructive problem-solving and collaboration in personal and professional settings.

**UNIT I - Essentials of Effective Communication (6 HOURS)**

Communication Skills-LSRW- Characteristic features of LSRW-Consequences of Ineffective Communication-Impact of technology on Communication

**UNIT II- Types of Communication (6 HOURS)**

Verbal Communication – Non-verbal Communication- Visual Communication - Written Communication-Group Communication-Digital Communication-Formal and Informal Communication-Vertical-Horizontal-Diagonal Grapevine

**UNIT III - Barriers in Communication****(6 HOURS)**

Physical Barriers - Language Barriers - Social and Cultural Barriers - Psychological Barriers - Semantic Barriers - Interpersonal Barriers - Technological Barriers- Means to overcome the various barriers to Communication

**UNIT IV- Etiquettes and Ethical Practices in Communication****(6 HOURS)**

tive Listening - Clarity and Conciseness - Professional Tone - Timeliness - Constructive Feedback-Transparency-Professionalism-Accountability-Confidentiality-Cultural Sensitivity-Emotional Intelligence-Empathy-Social Intelligence-Social Etiquettes- Appreciation and Gratitude

**UNIT V- Presentation Skills****(6 HOURS)**

Types of Presentation- Preparing a presentation-Do's and Don'ts while giving a presentation-Managing tools for presentation-Using prompts-Making effective uses of Audio/Visual aids during presentation-Dealing with Questions, Interruptions and Pauses- Practical: Participating in Mock presentations

**PRESCRIBED BOOKS:**

1. Monippally, Matthukutty, M. Business Communication Strategies. New Delhi: Tata McGraw-Hill Publishing Company Ltd., 2001.
2. Peter, Francis. (2012) Soft Skills and Professional Communication. New Delhi: Tata McGraw Hill.
3. Raman, Meenakshi & Prakash Singh (2012) Business Communication Oxford University Press

**REFERENCE BOOKS:**

1. Gallo, Maria. D (2018) Stop Lecturing Start Communicating: The Public Speaking Survival Guide for Business Kindle Edition
2. Hasson, Gill. (2012) Brilliant Communication Skills. Great Britain: Pearson Education.
3. Patil, Shailesh (2020) Handbook on Public Speaking, Presentation & Communication Skills: Principles & Practices to create high impact presentations & meaningful conversations, Chennai, Notion Press Media Pvt Ltd.

### E-LEARNING RESOURCES:

1. <https://uwaterloo.ca/centre-for-teaching-excellence/catalogs/tip-sheets/effective-communication-barriers-and-strategies>
2. <https://www.coursera.org/articles/presentation-skills>
3. <https://positivepsychology.com/how-to-improve-communication-skills>

### GUIDELINES TO THE QUESTION PAPER SETTERS

#### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
<b>A</b>	Answer any 5 out of 7 questions (answer in 50 words)	1-7	2	10
<b>B</b>	Answer any 4 out of 6 questions (answer in 300 words)	8-13	5	20
<b>C</b>	Answer any two( Internal (Choice)	14-15	10	20
	Internal & Viva Voce		50	50
	<b>Total</b>			<b>100</b>

#### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	2	2	----
II	2	1	1
III	1	1	1
IV	1	1	1
V	1	1	1
<b>TOTAL</b>			
<b>SECTION A - 7</b>		<b>SECTION B - 6</b>	<b>SECTION C - 4</b>

# **SEMESTER - II**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: CORE V</b>
<b>COURSE NAME: MONETARY ECONOMICS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: II</b>	<b>MARKS:100</b>
<b>CREDITS: 4</b>	<b>TOTAL HOURS: (6) 90</b>
<b>THEORY</b>	

**COURSE OBJECTIVE:**

- The course focuses on studying comprehensive monetary models to understand the factors influencing money demand and supply in modern monetary economics.

**COURSE OUTCOMES:**

1. Evaluate the various theories of money.
2. Analyse various theories of interest to determine the supply of money.
3. Examine different money and capital market.
4. Compare the functions and challenges of central and commercial bank.
5. Analyse the application of monetary policy in India.

**UNIT I - Classical Theories of Money (18 HOURS)**

Demand for Money: Quantity theories of money – Fisher and Cambridge- Keynesian monetary theory- James Tobin’s portfolio analysis of money demand- Don Patinkin’s Integration– Real Balance Effect- Milton Friedman’s reformulated quantity theory.

**UNIT II - Supply of Money (18 HOURS)**

Supply of Money: Types and Determinants of Money Supply – Money Multiplier- Theories of Interest Rate – Classical – Keynes – Hicks – Hansen.

**UNIT III - Money and Capital Market (18 HOURS)**

Money and Capital Market: Significance and functions of Money market and capital market - Role of financial intermediaries – Effects of financial intermediation- Non-banking financial institutions – Gurley and Shaw theory.

**UNIT IV - Banking and its Functions (18 HOURS)**

Banking Functions of Commercial banks - Credit creation – process and limitations, Role of Commercial banks after nationalization – after reforms- Role of RBI – Regulation of money supply and credit- Narasimhan Committee Reports- 1991 and 1998- Raising NPAs- Raguram Rajan Committee Report -2007.

**UNIT V - Monetary Policies****(18 HOURS)**

Monetary Policy Objectives and Instruments of Monetary policy– Limitations of monetary policy- Monetarism and Keynesianism – Comparison - Supply side policies.

**PRESCRIBED BOOKS:**

1. Bain, Keith and Howells (2009). *Monetary Economics: Policy and its Theoretical Basis*. Palgrave Macmillan, 2nd Edition.
2. Mishkin .S. Frederic (2015). *The Economics of Money, Banking and Financial Markets*. Pearson Publication, 11th Edition.

**REFERENCE BOOKS:**

1. Jhingan, M.L. (2005), *Monetary Economics*. Konark Publication, New Delhi.
2. Sundaram, K.P.M. (2003). *Money, Banking and International Trade* Vikas, New Delhi.
3. Vaish, M.C. (2004). *Money, Banking and International Trade*. New Age International, New Delhi.

**E-LEARNING RESOURCES:**

1. <https://www.amazon.in/Handbook-Monetary-Economics-Benjamin-Friedman-ebook/dp/B00EXOTZ96>
2. <https://link.springer.com/book/10.1057/9780230280854>
3. <https://www.rbi.org.in/scripts/AnnualPublications.aspx?head=Handbook%20of%20Statistics%20on%20Indian%20Economy>

**GUIDELINES TO THE QUESTION PAPER SETTERS****QUESTION PAPER PATTERN**

<b>SECTION</b>	<b>QUESTION COMPONENT</b>	<b>NUMBERS</b>	<b>MARKS</b>	<b>TOTAL</b>
<b>A</b>	<i>Answer any 10 out of 12 questions(each in 50 words)</i>	1-12	3	30
<b>B</b>	<i>Answer any 5 out of 7 questions(each in 300 words)</i>	13-19	6	30
<b>C</b>	<i>Answer any 4 out of 6 questions(each in 1200 words)</i>	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	2	2
II	2	1	1
III	3	2	1
IV	2	1	1
V	2	1	1
<b>TOTAL</b>			
	<b>SECTION A – 12</b>	<b>SECTION B – 7</b>	<b>SECTION C - 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3

### PSO-CO-Question Paper Mapping

CO No:	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL (K1 to K6)
CO1	Evaluate the various theories of money.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Analyse various theories of interest to determine the supply of money.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Examine different money and capital market.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Compare the functions and challenges of central and commercial bank.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Analyse the application of monetary policy in India.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: CORE VI</b>
<b>COURSE NAME: INTERNATIONAL ECONOMICS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: II</b>	<b>MARKS:100</b>
<b>CREDITS: 4</b>	<b>TOTAL HOURS: (5) 75</b>
<b>THEORY</b>	

**COURSE OBJECTIVE:**

- To make the students to understand theories of International Trade, concept of balance of payments, equilibrium in BOP and functioning of international institutions and its role.

**COURSE OUTCOMES:**

1. Analyse different Classical theories of international trade.
2. Analyse different Modern theories of international trade.
3. Application of monetary and fiscal policy measures to correct the disequilibrium in the Balance of Payment.
4. Develop the role of MNC s, and foreign aid in international trade.
5. Critically analyse different sources of foreign exchange risk and provide solutions.

**UNIT 1 - Theories of Trade - I**

**(15 HOURS)**

Pure Theory of International Trade: Comparative Cost Theory - Refinements of Comparative Cost Theory - Modern Theory of Factor Endowments – Leontief Paradox- Factor price equalization theorem – Factors Intensity Reversal: The Stolper -Samuelson Theorem and the Rybezynski Theorem.

**UNIT II - Theories of Trade - II**

**(15 HOURS)**

Recent Theories of International Trade Karvi's Theory of Availability – Lindar's Theory of Volume of Trade and demand pattern- Posner's Technological Gap Theory – Vernon's Product Cycle Theory - Kenen's Human capital theory- Intra- Industry Trade – Theory of Imperfect Competition - Strategic Theory – External Economies and International Trade.

**UNIT III - Balance of Payment**

**(15 HOURS)**

Balance of Payments Policies BOP Disequilibrium – Adjustment Mechanism: Elasticity Approach, Absorption approach and Monetary Approach- Expenditure changing monetary and fiscal policy – Monetary and Fiscal policies for internal and external balance: The Swan Model and Mundallian Model- Expenditure Switching Policies and Expenditure Reducing Policies – Foreign Trade Multiplier.



**UNIT IV- Foreign Aid****(15 HOURS)**

Foreign Aid and MNCs. Foreign Aid - Types of Foreign aid – Advantages and Disadvantages – Factors determining Foreign aid - Foreign Investment – Foreign Direct investment – Types of FDI – FDI Policy of India- Multinational Corporations – Features of Multinational Corporations - Advantages and Limitations of MNCs – MNCs and International Trade.

**UNIT V- Foreign Exchange****(15 HOURS)**

Managing Foreign Exchange Risk Foreign exchange risk - Sources of foreign exchange risk – types of exchange rate risk - Transaction risk, Translation risk, Economic risk, Measurement of Exchange Rate Risk - value-at-risk (VAR) model, Methods of managing foreign exchange risk - internal and external techniques- Forward contracts, Money market hedges, Currency futures, Currency Options, Currency swaps.

**PRESCRIBED BOOKS:**

1. D. N. Dwivedi (2013) *International Economics: Theory and Policy*, Vikas Publishing House, New Delhi.
2. M. L. Jhingan (2016) *International Economics*, Vrindha Publications, New Delhi.

**REFERENCE BOOKS:**

1. Francis Cherunillam (2004), *International Economics*, Tata McGraw Hill, New Delhi.
2. Paul Krugman and Maurice (2013), *International Economics: Theory and Policy*, Obstfeld (New Delhi: Pearson).
3. J.N. Bhagwati (2003), *Free Trade Today* (Oxford University Press, New Delhi).State Integrated Board of Studies – Economics PG 20.

**E-LEARNING RESOURCES:**

1. <https://www.worldbank.org/en/country/eu>
2. <https://www.imf.org/en/Data>
3. <https://www.economagic.com/>

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
<b>A</b>	<i>Answer any 10 out of 12 questions(each in 50 words)</i>	1-12	3	30
<b>B</b>	<i>Answer any 5 out of 7 questions(each in 300 words)</i>	13-19	6	30
<b>C</b>	<i>Answer any 4 out of 6 questions(each in 1200 words)</i>	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	2	2
II	2	1	1
III	3	2	1
IV	2	1	1
V	2	1	1
<b>TOTAL</b>	12	7	6
<b>SECTION A - 12</b>		<b>SECTION B - 7</b>	<b>SECTION C - 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3

### PSO-CO-Question Paper Mapping

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Analyse different Classical theories of international trade.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Analyse different Modern theories of international trade.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Application of monetary and fiscal policy measures to correct the disequilibrium in the Balance of Payment.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Develop the role of MNCs, and foreign aid in international trade.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Critically analyse different sources of foreign exchange risk and provide solutions.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: CORE VII</b>
<b>COURSE NAME: MATHEMATICAL ECONOMICS - II</b>	<b>COURSE CODE:</b>
<b>SEMESTER: II</b>	<b>MARKS:100</b>
<b>CREDIT: 4</b>	<b>TOTAL HOURS: (5) 75</b>
<b>THEORY AND PROBLEMS</b>	

**COURSE OBJECTIVE:**

- The paper aims to introduce students to the basic building blocks of mathematical analysis in modern economic theory and equip them with mathematical tools to optimize both static and dynamic economic environments.

**COURSE OUTCOMES:**

On completion of the course the students will be able

1. To apply probability theory in economics.
2. To demonstrate the applicability of Binomial, Poisson and Normal distribution in research.
3. To analyse the different types of sampling techniques.
4. To demonstrate hypothesis testing such as Null and alternative hypothesis and Type I and Type II error.
5. To apply F-test, T-test and ANOVA to find out the significance of different variables in research.

**UNIT I - Calculus of multivariable functions**

**(15 HOURS)**

Calculus of multivariable functions, higher order derivatives, constrained optimization with upto two variable - equality constraints - Constrained Maxima and Minima – Use of Lagrange Multiplier Method – Application to Utility Maximisation: consumer demand – Micro (two goods, one period) and consumer demand - Macro (one goods, two periods).

**UNIT II - Matrix**

**(15 HOURS)**

Matrices – Properties and types of matrices Matrix operations – Commutative Associative and Distributive Laws – Determinants – Rank of a matrix – Matrix Inverse – Solutions for simultaneous equations upto 3 equations - Cramer’s Rule.

**UNIT III - Input - Output Analysis and Linear programming (15 HOURS)**

Input - Output Analysis: Static open model – Closed model - Economic implications -Transport and Assignment model - Leontieff Model - Linear programming: Basic concept, Nature of feasible, basic and optimal solution; Solution of linear programming problem through graphical and simplex method - Primal and Dual.

**UNIT IV - Game Theory (15 HOURS)**

Basic Concept of a game theory – Classification and Description of Games - Two-person Zero sum game - value of a game; strategies - simple and mixed - Dominance rule - Solution of a game by linear programming.

**UNIT V - Integration Techniques (15 HOURS)**

Definition of integration – Basics rules of Integration Techniques – Indefinite Integrals – methods of indefinite integrals - Definite Integrals – Economic Applications of Integrals – Consumer’s Surplus – Producer’s Surplus.

**PRESCRIBED BOOKS:**

1. Edward. T. Dowling: Mathematics for Economists, McGraw – Hill Book Company.
2. Mehta V.L. & Madnani: Mathematics for Economists, Sultan Chand and Sons.

**REFERENCE BOOKS:**

1. Allen R.G.D., Mathematical Analysis for Economists, Macmillan and Company Limited, London.
2. Chiang A.C., Fundamental Methods of Mathematical Economics, Mcgraw – Hill Book Company.
3. Stafford.L.W.T., Mathematics for Economist, The English Language Book Society and Macdonald and Evans Limited, London.
4. Mabett. A.J., Mathematics for Economists, Macmillan Master Series.
5. Weber, Mathematics for Economists.
6. K. Sydsaeter and P. Hammond, Mathematics for Economic Analysis, Pearson Educational Asia: Delhi, 2002
7. Monga, G.S., Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi, 1972.

**E-LEARNING RESOURCES:**

1. <https://www.studocu.com/in/document/university-of-kerala/mathematical-economics/meaning-and-importance-of-mathematical-economics/26446205>
2. [https://sde.uoc.ac.in/sites/default/files/sde\\_videos/SLM-19360-Eco-Mathematical%20Economics.pdf](https://sde.uoc.ac.in/sites/default/files/sde_videos/SLM-19360-Eco-Mathematical%20Economics.pdf)
3. <https://people.tamu.edu/~gtian/Lecture%20Notes%20for%20ECON660%20and%20ECON460-2021-09.pdf>
4. <https://nibmehub.com/opacservice/pdf/read/An%20Introduction%20to%20Mathematics%20for%20Economics.pdf>
5. <https://nou.edu.ng/coursewarecontent/FMT%20%2020204.pdf>
6. <https://ncjindalps.com/pdf/MATHEMATICS/MATHEMATICS%20FOR%20ECONOMIST%20-%20LPU.pdf>

**GUIDELINES TO THE QUESTION PAPER SETTERS****QUESTION PAPER PATTERN**

<b>SECTION</b>	<b>QUESTION COMPONENT</b>	<b>NUMBERS</b>	<b>MARKS</b>	<b>TOTAL</b>
<b>A</b>	<i>Answer any 10 out of 12 questions(each in 50 words)</i>	1-12	3	30
<b>B</b>	<i>Answer any 5 out of 7 questions(each in 300 words)</i>	13-19	6	30
<b>C</b>	<i>Answer any 4 out of 6 questions(each in 1200 words)</i>	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

**BREAK UP OF QUESTIONS FOR THEORY**

<b>UNITS</b>	<b>SECTION A</b>	<b>SECTION B</b>	<b>SECTION C</b>
I	3	1	1
II	2	2	1
III	2	1	2
IV	3	2	1
V	2	1	1
<b>TOTAL</b>			
<b>SECTION A - 12</b>		<b>SECTION B - 7</b>	<b>SECTION C - 6</b>

**PSO – CO Mapping**

	<b>PSO 1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO5</b>
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3

**PSO - CO - Question Paper Mapping**

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Apply the linear algebra in economic theories.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Examine the application differential calculus to solve economic problems.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Evaluate different theories of production function by the application of mathematical tools.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Application of linear and non-linear programming in economic theories.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Evaluate different economic theories through differential equations.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: CORE VIII</b>
<b>COURSE NAME: PUBLIC ECONOMICS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: II</b>	<b>MARKS:100</b>
<b>CREDIT: 4</b>	<b>TOTAL HOURS: (5) 75</b>
<b>THEORY</b>	

**COURSE OBJECTIVE:**

- To explore the government expenditure, taxation economics, and policy implications for efficiency and equity.

**COURSE OUTCOMES:**

1. Differentiate different types of goods in public finance.
2. Evaluate different theories of public expenditure in India.
3. Analyse the various taxes and public debt in India.
4. Examine the fiscal policy and current finance commission in India.
5. Evaluate the various tax reforms in India.

**UNIT I - Public Finance**

**(15 HOURS)**

Introduction, Role of public finance - Major Fiscal functions- Private and Public goods - Mixed goods –Merit goods- Social goods-Market failure Public goods and externalities.

**UNIT II - Theories of Public Expenditure**

**(15 HOURS)**

Public Expenditure: Theories of Public Expenditure – Musgrave – Wagner - Peacock Wiseman– Growth of Public Expenditure – Canons and Evaluation of Public Expenditure.

**UNIT III - Public Revenue and Public Debt**

**(15 HOURS)**

Taxation and Public Debt - Direct and Indirect taxation – Canons and Principles of Taxation – Theory of optimal taxation – modern theory of incidence- Classification and Sources of public debt–Burden of public debt–Principles of public debt–Methods of repayment of public debt– Compensatory aspects of public debt policy.

**UNIT IV- Fiscal Policy**

**(15 HOURS)**

Fiscal Policy and Fiscal Federalism: Objectives and Instruments of Fiscal policy –Compensatory Fiscal policy – Fiscal policy for Economic stability and growth– Effectiveness of fiscal policy- Fiscal federalism – Role of finance commission – Principles – Recommendations of 14th Finance Commission and Recent Finance Commission – Transfer of resources from Union and States and States to Local Bodies.



**UNIT V - Financial Administration****(15 HOURS)**

Indian Public Finance - Financial Autonomy in India – Tax Reform proposals of Kelkar Committee Tax structure and Working of Fiscal federalism in India – Resource transfer from Union to State of Tamil Nadu – VAT – Merits and Demerits- GST design, implementation and impact- Fiscal consolidation in India since 2001-2002 – Fiscal responsibilities of central and state- FRBM Act 2003- Central and State government Budgets – Issues of fiscal deficit- Fiscal policy and Economic downturn : Fiscal correction versus additional Stimulus.

**PRESCRIBED BOOKS:**

1. Tyagi B.P (2014). *Public Finance*. Jai Prakash Nath & Company.
2. Amerash Bagchi (2005). *Readings in Public Finance*. Oxford University Press, New Delhi.

**REFERENCE BOOKS:**

1. Amerash Bagchi (2005). *Readings in Public Finance*. Oxford University Press, New Delhi.
2. Rao, M. Govida and Nirvikar Singh, (2005). *The Political Economy of Federalism in India*. Oxford University Press, New Delhi.
3. Government of India, Economic Survey (Annual Issues). *Ministry of Finance, New Delhi. Tamil Nadu State Council for Higher Education Chennai.*

**E-LEARNING RESOURCES:**

1. <https://www.india.gov.in/my-government/documents/policy>
2. <http://www.niti.gov.in>
3. <https://www.indiabudget.gov.in/>

**GUIDELINES TO THE QUESTION PAPER SETTERS: QUESTION PAPER PATTERN**

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
<b>A</b>	<i>Answer any 10 out of 12 questions(each in 50 words)</i>	1-12	3	30
<b>B</b>	<i>Answer any 5 out of 7 questions(each in 300 words)</i>	13-19	6	30
<b>C</b>	<i>Answer any 4 out of 6 questions(each in 1200 words)</i>	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	2	1	1
II	2	1	1
III	2	1	1
IV	3	2	2
V	3	2	1
<b>TOTAL</b>			
	<b>SECTION A – 12</b>	<b>SECTION B - 7</b>	<b>SECTION C - 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3

### PSO-CO-Question Paper Mapping

CO No:	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL (K1 to K6)
CO1	Differentiate different types of goods in public finance.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Evaluate different theories of public expenditure in India.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Analyse the various taxes and public debt in India.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Examine the fiscal policy and current finance commission in India.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Evaluate the various tax reforms in India.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: ELECTIVE II</b>
<b>COURSE NAME: ENVIRONMENTAL ECONOMICS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: II</b>	<b>MARKS:100</b>
<b>CREDIT: 3</b>	<b>TOTAL HOURS: (4) 60</b>
<b>THEORY</b>	

**COURSE OBJECTIVE:**

- To explore the advanced concepts in environmental economics to analyze resource allocation, policy implementation, and sustainable development.

**COURSE OUTCOMES:**

1. Connect the environmental problems with sustainable development.
2. Analyse the availability of natural resources and the alternatives for it.
3. Examine the concept of market failure to provide solutions for environmental problems.
4. Critically evaluate the different valuation methods of environment.
5. Examine various pollution control measures.

**UNIT I- Fundamentals of Environmental Economics (12 HOURS)**

Definition, Scope and Significance - Environment – Economy Linkages – Material Balance Approach - Malthusian and Neoclassical perspective of Environment - Sustainable Development - Environment Kuznets Curve.

**UNIT II - Economics of Natural Resources (12 HOURS)**

Classification of Natural Resources - Scarcity and Measurement - Economics of Exhaustible Resources - Economics of Renewable Resources.

**UNIT III - Market Failure (12 HOURS)**

Environment as a Public Good - Tragedy of Commons - Externalities - Pigouvian Fee and Coase theorem on Property Rights.

**UNIT IV- Valuation of Environment (12 HOURS)**

Total Economic Value - Contingent Valuation Method – Stated Preference - Travel Cost Model - Hedonic Pricing - Economics of Sustainable Development - Green Accounting – Ecological Footprint, Carbon Footprint, Ecological Shadow.

## **UNIT V- Economics of Pollution Control**

**(12 HOURS)**

Optimal level of Pollution - Regulation of Pollution through Economic Instruments:  
Environmental policy measures - Command and Control Approach.

### **PRESCRIBED BOOKS:**

1. Karpagam. M, (2017). *Environmental Economics–Third Edition*. Sterling Publication Pvt. Ltd, Noida.
2. Nick Hanley, Jason Shogren and Ben White, (2013). *Introduction to Environmental Economics, Second Edition*. Oxford University Press, Oxford.
3. Eugene .T (2014). *Environmental Economics*. Oxford University Press, New Delhi. (2014),
4. Hanley N, Shogren JF, White B (2007). *Environmental Economics in Theory and Practice*. 2nd Edition. Palgrave Macmillan.
5. Kolstad, Charles D, (2000). *Environmental Economics*. New York: Oxford University Press.

### **REFERENCE BOOKS:**

1. Maureen L. Cropper and Wallace E. Oates (1992). *Environmental Economics: A Survey*. Journal of Economic Literature, Volume 30.
2. Barry C. Field, (1994). *Environmental Economics: An Introduction*. Singapore, McGraw- Hill.
3. Hussen, Ahmed. M (1999). *Principles of Environmental Economics: Economics, Ecology and Public Sector*. London: Rutledge.
4. S. Sankaran (2012). *Environmental Economics*. Margham Publications.
5. Mark Maslin (2014). *Climate Change: A Very Short Introduction*. 3rd Edition Oxford University Press.

### **E-LEARNING RESOURCES:**

1. <https://unfccc.int/>
2. <https://www.undp.org/>
3. <http://moef.nic.in/>
4. <https://www.envis.nic.in>
5. <https://www.unep.org>

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
<b>A</b>	<i>Answer any 10 out of 12 questions(each in 50 words)</i>	1-12	3	30
<b>B</b>	<i>Answer any 5 out of 7 questions(each in 300 words)</i>	13-19	6	30
<b>C</b>	<i>Answer any 4 out of 6 questions(each in 1200 words)</i>	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
<b>I</b>	3	2	2
<b>II</b>	2	1	1
<b>III</b>	2	1	1
<b>IV</b>	3	2	1
<b>V</b>	2	1	1
<b>TOTAL</b>			
<b>SECTION A - 12</b>		<b>SECTION B - 7</b>	<b>SECTION C - 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3

**PSO – CO - Question Paper Mapping**

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Connect the environmental problems with sustainable development.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Analyse the availability of natural resources and the alternatives for it.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Examine the concept of market failure to provide solutions for environmental problems.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Critically evaluate the different valuation methods of environment.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Examine various pollution control measures.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: EDE I</b>
<b>COURSE NAME: ECONOMICS FOR COMPETITIVE EXAMINATION</b>	<b>COURSE CODE:</b>
<b>SEMESTER: II</b>	<b>MARKS:100</b>
<b>CREDIT: 3</b>	<b>TOTAL HOURS: (3) 45</b>
<b>THEORY</b>	

**COURSE OBJECTIVE:**

- To empower students to grasp Indian economic concepts and apply them practically, fostering critical thinking in economics.

**COURSE OUTCOMES:**

1. Distinguish growth and development and measure national income.
2. Evaluate poverty eradication programmes and improve the inclusive growth.
3. Analyse performance and the growth of economic indicators.
4. Examine the growth of agriculture and industry in Indian economy.
5. Critically analyse recent budget in India.

**UNIT I - Economics Growth and Development (9 HOURS)**

Economic Growth and Development: Meaning – Differences - Determinants of growth and development - National Income – Concepts, Different Methods of Measurement of National Income.

**UNIT II – Poverty and Inclusive Growth (9 HOURS)**

Poverty – Definitions, Causes, Measurement of Poverty, Poverty Eradication Programmes, Poverty Reduction and Inclusive Growth.

**UNIT III - Basic Economic Indicators (9 HOURS)**

Economic Indicators - HPI / MPI, HDI, PQLI, GEM, GDI / GII, TAI, Green Index, sustainable development, Recent Human Development Report.

**UNIT IV - Agriculture and Industry (9 HOURS)**

Agriculture: Role of Agriculture on Economic Development – Features of Indian Agriculture – Production and Productivity in Agriculture – Green Revolution. Industry: Role of Industries on Economic Development – New Industrial Policy 1991 - Role of MSMEs.

**UNIT V- Public Finance****(9 HOURS)**

Public Finance: Public Revenue – Public Expenditure – Public Debt, Monetary and Fiscal Policy: Definition - Instruments of Monetary and Fiscal Policy – Recent Budget. Finance Commission: Functions and Recommendations of Recent Finance Commission.

**PRESCRIBED BOOKS:**

1. Puri V.K., Misra S.K., *Indian Economy*, Himalaya Publication House.
2. Bhatia H.L., *Public Finance*, Vikas Publishing House.

**REFERENCE BOOKS:**

1. Jhingan M.L., *The Economics of Development and Planning*, Vrinda Publications Pvt. Ltd
2. Koutsoyiannis A., *Modern Microeconomics*, Palgrave Macmillan U.K.
3. Gaurav Datt and Ashwani Mahajan, Datt and Sundharam *Indian Economy*, S Chand and Co Ltd

**E-LEARNING RESOURCES:**

1. <https://www.indiabudget.gov.in/>
2. <https://www.nabard.org/news-article.aspx?id=25andcid=552andNID=220>
3. <https://www.birmingham.ac.uk/news/2017/green-white-and-blue-why-india-needs-a-third-agricultural-revolution#:~:text=Agriculture%20is%20the%20backbone%20of,the%20world's%20largest%20milk%20producer>

**GUIDELINES TO THE QUESTION PAPER SETTERS****QUESTION PAPER PATTERN**

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
<b>A</b>	<i>Answer any 10 out of 12 questions (each in 50 words)</i>	<b>1-12</b>	<b>3</b>	<b>30</b>
<b>B</b>	<i>Answer any 5 out of 7 questions (each in 300 words)</i>	<b>13-19</b>	<b>6</b>	<b>30</b>
<b>C</b>	<i>Answer any 4 out of 6 questions (each in 1200 words)</i>	<b>20-25</b>	<b>10</b>	<b>40</b>
<b>TOTAL MARKS</b>				<b>100</b>



### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	1	1
II	2	1	1
III	3	2	2
IV	2	2	1
V	2	1	1
<b>TOTAL</b>			
<b>SECTION A – 12</b>		<b>SECTION B – 7</b>	<b>SECTION C – 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3

### PSO-CO Question Paper Mapping

CO No:	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL (K1 to K6)
<b>CO1</b>	Distinguish growth and development and measure national income.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
<b>CO2</b>	Evaluate poverty eradication programmes and improve the inclusive growth.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
<b>CO3</b>	Analyse performance and the growth of economic indicators.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
<b>CO4</b>	Examine the growth of agriculture and industry in Indian economy.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
<b>CO5</b>	Critically analyse recent budget in India.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: MASTER OF ARTS</b>	<b>BATCH: 2024-26</b>
<b>PART: B</b>	<b>COURSE COMPONENT: SOFT SKILLS I1</b>
<b>COURSE NAME: PERSONALITY ENRICHMENT</b>	<b>COURSE CODE:</b>
<b>SEMESTER: I1</b>	<b>MARKS:100</b>
<b>CREDITS: 2</b>	<b>TOTAL HOURS: 30</b>
<b>THEORY</b>	

**COURSE OBJECTIVE:**

- To enable students to acquire and exhibit leadership qualities and work effectively by applying conflict resolution strategies and collaborative problem-solving

**COURSE OUTCOMES:**

1. Students will demonstrate an understanding of various personality theories and assessments, leading to increased self-awareness.
2. Students will acquire effective verbal and non-verbal communication skills, including active listening and providing constructive feedback.
3. Students will exhibit leadership qualities, understand diverse leadership styles, and effectively work within teams by applying conflict-resolution strategies and collaborative problem-solving
4. Students will develop resilience, coping mechanisms, and stress reduction techniques to successfully navigate personal and academic challenges.
5. Students will demonstrate cultural intelligence, cross-cultural communication skills, and an understanding of global issues, fostering a sense of global citizenship.

**UNIT I - Self Actualization**

**(6 HOURS)**

SWOC Analysis- Self Regulation-Self Evaluation, Self-Monitoring, Self- Criticism, Self- Motivation, Self-awareness and Reflection: Reflective practices- Journaling and self-assessment exercises.

**UNIT II - Interpersonal Skills**

**(6 HOURS)**

Effective Communication: Verbal and non-verbal communication - Active listening skills- Feedback and constructive criticism- Building Empathy and Emotional Intelligence: Negotiation Skills.

**UNIT III - Leadership and Teamwork**

**(6 HOURS)**

Leadership Skills: Leadership styles- Goal-setting and decision-making- Motivation and influence- Team Dynamics: Team building activities- Conflict resolution- Collaborative problem-solving.

#### **UNIT IV - Stress and Time Management**

**(6 HOURS)**

Definition of Stress, Types of Stress, Symptoms of Stress, Stress coping ability, Stress Inoculation Training, Time Management and Work-Life Balance: Self-discipline Goal-setting

#### **UNIT V - Cultural Competence and Global Awareness**

**(6 HOURS)**

Cultural Intelligence: Understanding diversity- Cross-cultural communication- Global citizenship and social responsibility- Ethics and Integrity: Personal and professional ethics- Decision-making in ethical dilemmas

#### **PRESCRIBED BOOKS**

1. Goleman, Daniel (2006) *Emotional Intelligence*, Bantam Books.
2. Linden, Wolfgang (2004) *Stress Management From Basic Science to Better Practice*- University of British Columbia, Vancouver, Canada.
3. Richard L. Hughes; Katherine Colarelli Beatty; David L. Dinwoodie (2022) *Becoming a Strategic Leader*, Wiley.
4. (2012) *Leading with Cultural Intelligence* Saylor Foundation.

#### **REFERENCE BOOKS**

1. Meyer, Erin (2014) *The Culture Map: Breaking Through the Invisible Boundaries of Global Business*, Public Affairs.
2. Pittino, Daniel (2022) *The Concise Leadership Textbook: Essential Knowledge and Skills for Developing Yourself as a Leader*.
3. Radtke, Laura (2022) *Principles of Leadership & Management*, Fanshawe College, Ontario.
4. Wentz, Fredrick H. (2012) *Soft skills Training –A workbook to develop skills for employment*, Create Space Independent Publishing Platform.

#### **E-LEARNING RESOURCES**

1. <https://www.helpguide.org/articles/stress/stress-management.htm>
2. <https://www.skillsyouneed.com/>
3. [https://greatergood.berkeley.edu/quizzes/take\\_quiz/stress\\_and\\_anxiety](https://greatergood.berkeley.edu/quizzes/take_quiz/stress_and_anxiety)
4. <https://www.switchboard.app/learn/article/teamwork-leadership-skills>
5. <https://kpu.pressbooks.pub/interculturalizingcurriculum/chapter/chapter-1/>

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
<b>A</b>	Answer any 5 out of 7 questions (answer in 50 words)	1-7	2	10
<b>B</b>	Answer any 4 out of 6 questions (answer in 300 words)	8-13	5	20
<b>C</b>	Answer any two( Internal (Choice)	14-15	10	20
	Internal & Viva Voce		50	50
	<b>Total</b>			<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	2	2	----
II	2	1	1
III	1	1	1
IV	1	1	1
V	1	1	1
<b>TOTAL</b>			
	<b>SECTION A - 7</b>	<b>SECTION B - 6</b>	<b>SECTION C - 4</b>

# **SEMESTER - III**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: CORE IX</b>
<b>COURSE NAME: ADVANCED MACRO ECONOMICS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: III</b>	<b>MARKS:100</b>
<b>CREDITS: 4</b>	<b>TOTAL HOURS: (6) 90</b>
<b>THEORY</b>	

**COURSE OBJECTIVE:**

- The macroeconomics course aims to provide a holistic understanding of the economy by integrating various markets and course offers insights from both Classical and Keynesian perspectives on factors influencing an economy's general equilibrium.

**COURSE OUTCOMES:**

1. Compare Classical, Keynesian and Post Keynesian theories of income and employment along with IS-LM model.
2. Evaluate the New Classical Macroeconomics and its applicability on business cycle.
3. Examine the New Keynesian Macroeconomics.
4. Critically evaluate Mundell-Fleming Model in an open economy.
5. Apply Macroeconomic Policies to maintain stability in an economy.

**UNIT I - Classical, Keynesian and Post Keynesian Macroeconomics (18 HOURS)**

Classical Theory of Output and Employment- Full employment equilibrium- AD-AS Model- Keynesian Theory of Output and Employment- Under employment equilibrium- Effective Demand-Hicks Hansen IS-LM- BP Model.

**UNIT II - The New Classical Macroeconomics (18 HOURS)**

Assumptions of Rational Expectation Hypothesis- Policy Ineffectiveness Theorem- Aggregate supply hypothesis- Policy implications of new classical Approach- Source of Productivity shocks in Real Business Cycle Theory- Stabilisation Policy and Unemployment- Role of money in Real Business Cycle Theory'- Policy implications of real business cycle theory- DAD-DAS Model.

**UNIT III – The New Keynesian Macroeconomics (18 HOURS)**

Core propositions of new Keynesian macroeconomics - Wage and Price Rigidities- New Keynesian business cycle theory- Policy implications of new Keynesian macroeconomics.

**UNIT IV - Open Economy Macroeconomics** (18 HOURS)

Openness in goods in financial market- output interest rate and exchange rate- exchange rate regimes- exchange rate and balance of payments- Mundell- Fleming Model.

**UNIT V- Macroeconomic Policies** (18 HOURS)

Stabilisation policies- Theory of policy- Tinbergens Approach- Fiscal Policy- Monetary Policy- Optional Policy Mix- Crowding out effect- Bond Financed and Tax Financed Government Expenditure- Rules Vs Discretion- Government Budget and Budget Deficit.

**PRESCRIBED BOOKS:**

1. Dornbusch, Rudiger, Stanley Fischer, and Richard Startz (2000), *Macroeconomics*. Tata McGraw-Hill Publishing Company, New Delhi.
2. Roger E.A. Farmer (2002). *Macro Economics*. Thompson Asia Pvt. Ltd., Singapore.

**REFERENCE BOOKS:**

1. Blanchard, O., & Giavazzi, F. (2003). *Macroeconomic Effects of Regulation and Deregulation in Goods and Labor Markets*, The Quarterly Journal of Economics, 118(3), 879-907.
2. Romer D., (1996). *Advanced Macroeconomics*. McGraw-Hill International.
3. Obstfeld, M., Rogoff, K. S., & Wren-lewis, S. (1996). *Foundations of International Macroeconomics (Vol. 30)*. Cambridge, MA: MIT press.
4. Krugman, P.R., and M. Obstfeld, (2003). *International Economics: Theory and Policy*. 6th edition, India: Pearson Education.

**E-LEARNING RESOURCES:**

1. <https://www.econlib.org/library/Enc/bios/Keynes.html>
2. <https://www.postkeynesian.net/post-keynesian-economics/>
3. <https://www.bu.edu/econ/files/2014/08/DLS1.pdf>

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
A	Answer any 10 out of 12 questions (each in 50 words)	1-12	3	30
B	Answer any 5 out of 7 questions (each in 300 words)	13-19	6	30
C	Answer any 4 out of 6 questions (each in 1200 words)	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	1	1
II	2	1	1
III	3	2	2
IV	2	2	1
V	2	1	1
<b>TOTAL</b>			
<b>SECTION A – 12</b>		<b>SECTION B - 7</b>	<b>SECTION C - 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
CO 1	3	3	3	3	3
CO 2	3	3	3	3	3
CO 3	3	3	3	3	3
CO 4	3	3	3	3	3
CO 5	3	3	3	3	3
Ave.	3	3	3	3	3



### PSO-CO-Question Paper Mapping

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Compare Classical, Keynesian and Post Keynesian theories of income and employment along with IS-LM model.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Evaluate the New Classical Macroeconomics and	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Examine the New Keynesian Macroeconomics.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Critically evaluate Mundell-Fleming Model in an open economy.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Apply Macroeconomic Policies to maintain stability in an economy.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: CORE X</b>
<b>COURSE NAME: ECONOMETRIC METHODS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: III</b>	<b>MARKS:100</b>
<b>CREDITS: 4</b>	<b>TOTAL HOURS: (6) 90</b>
<b>THEORY AND PROBLEMS</b>	

**COURSE OBJECTIVE:**

- The course aims to help students understand how econometrics is used by economists and social scientists to test real-world data against economic theories. It will make students to learn about econometric models, including the meaning and usefulness of dummy variables, as well as basic methods for analyzing time series data.

**COURSE OUTCOMES:**

1. Apply regression model and provide the existing socio-economic conditions.
2. Develop different dummy variables models to provide solutions for various research problems.
3. Apply dynamic econometric models in the field of research in economics.
4. Develop the simultaneous equation models.
5. Apply and provide solutions for the research problems through the time series econometrics.

**UNIT I - Econometrics: Basic Regression (18 HOURS)**

Econometrics: Definition, nature and scope – simple regression model: specification, OLS method, assumptions of CLRM and Gauss Markov theorem, hypothesis testing and goodness of fit - extensions of simple regression model: regression through origin, scaling and units of measurement, functional forms of regression model – maximum likelihood estimation.

**UNIT II - Dummy Variables (18 HOURS)**

Dummy Variables- Nature of Dummy Variables- ANOVA Models, ANCOVA Models- Dummy Variable Alternative to Chow test- Uses of Dummy Variables Seasonal Analysis- Piecewise Linear Regression, Qualitative response Regression Model - Linear Probability Model, Logit Model, Probit Model, and Tobit Model.

**UNIT III - Dynamic Econometric Model****(18 HOURS)**

Dynamic Econometric Model: Autoregressive model and Distributed lag model – Estimation of Distributed Lag Models, The Koyck approach to Distributed-Lag models-Adaptive Expectations Model, Partial Adjustment Model. Estimation of Autoregressive Model- Almon approach to Distributed-Lag Models.

**UNIT IV- Simultaneous Equation Model****(18 HOURS)**

Simultaneous Equation Model-Simultaneous Equation Bias- Identification Problem-Rules for Identification- Test of Simultaneity-Test of Exogeneity. Simultaneous Equation Methods- Recursive models and ordinary least squares- Methods of Indirect Least squares-Method of Two-Stage least squares– Generalized least squares.

**UNIT V - Time Series Econometrics****(18 HOURS)**

Introduction to Time Series Econometrics: Stochastic Process - Stationary and Non-Stationary stochastic process-Unit root stochastic process- Trend stationary and difference stationary stochastic process-Integrated stochastic process – Properties- Unit root tests – Co-integration Model.

**PRESCRIBED BOOKS:**

1. Damodar N. Gujarati & Sangeetha (2019). *Basic Econometrics*, Tata McGraw-Hill Publishing company Limited New Delhi
2. K. Dhanasekaran (2012). *Econometrics*, Vrinda Publications.

**REFERENCE BOOKS:**

1. Gujarathi, D.N. (2005). *Text Book of Econometrics*. McGraw-Hill, New Delhi.
2. Kalirajan, K.P. (1995). *Applied Econometrics*. Oxford and IBH, New Delhi.
3. Suresh, J. Ghosh (1994). *Econometric Theory and Applications* .Prentice Hall of India, New Delhi,

**E-LEARNING RESOURCES:**

1. <https://learneconometricsfast.com>.
2. <https://inomics.com>
3. <https://economicsnetwork.ac.uk>

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
A	Answer any 10 out of 12 questions (each in 50 words)	1-12	3	30
B	Answer any 5 out of 7 questions (each in 300 words)	13-19	6	30
C	Answer any 4 out of 6 questions (each in 1200 words)	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	2	1
II	2	1	1
III	3	2	2
IV	2	1	1
V	2	1	1
<b>TOTAL</b>			
<b>SECTION A – 12</b>		<b>SECTION B – 7</b>	<b>SECTION C – 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
CO 1	3	3	3	3	3
CO 2	3	3	3	3	3
CO 3	3	3	3	3	3
CO 4	3	3	3	3	3
CO 5	3	3	3	3	3
Ave.	3	3	3	3	3

**PSO-CO-Question Paper Mapping**

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Apply regression model and provide the existing socio-economic conditions.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Develop different dummy variables models to provide solutions for various research problems.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Apply dynamic econometric models in the field of research in economics.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Develop the simultaneous equation models.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Apply and provide solutions for the research problems through the time series econometrics.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: CORE XI</b>
<b>COURSE NAME: RESEARCH METHODOLOGY</b>	<b>COURSE CODE:</b>
<b>SEMESTER: III</b>	<b>MARKS:100</b>
<b>CREDITS: 4</b>	<b>TOTAL HOURS: (5) 75</b>
<b>THEORY AND PROBLEMS</b>	

**COURSE OBJECTIVE:**

- This course describes the ethical issues in social science research and different types of research design in economic research and it also discusses about qualities of a good research report and equips a quality research culture among students.

**COURSE OUTCOMES:**

1. Develop the basic research methods in social science such as formulation of hypothesis.
2. Evaluate different sampling techniques available in social science research.
3. Preparation of research proposal.
4. Analyze the data by using the null and alternative hypothesis.
5. Analyze the data by using the various tests available in statistics.

**UNIT I - Research in Economics (15 HOURS)**

Research Methods in Economics - Nature of Social Science Research – Research Methods in Social Science – Formulating the problem- Types and Sources of Hypothesis – Characteristics of a Good hypothesis- Components and types of research design, Data collection; Primary and Secondary data; NSS and censuses data. Methods of data collection- Tools of data collection; schedule and questionnaire.

**UNIT II - Sampling Techniques (15 HOURS)**

Collection of data: Sources and methods - Sampling techniques- Need and Types of Sampling: Probability sampling, random, systematic, stratified, multistage or cluster sampling, Non-Probability sampling; Purposive Judgment, quota and snowball sampling.

**UNIT III - Project Proposal (15 HOURS)**

Data Processing and Presentation Processing and analysis of data: Editing, coding and tabulation; use of computers in social science research- Diagrammatic and graphic representation of data, Format of a report, Interpretation of results and Report writing – Preparation of Project Proposal.

**UNIT IV - Data Analysis****(15 HOURS)**

Statistical Inferences: Census Versus sampling -Random and Non-Random sampling Techniques  
Estimation - Point and interval estimation - Statistics and Parameter - Standard Error -  
Confidence interval- Null and Alternative hypothesis – Type I Error and Type II Error, Level of  
Significance – Critical region – Steps in Testing of Hypothesis.

**UNIT V - Research Ethics****(15 HOURS)**

Research ethics: Definition and Importance, Standard setting initiatives and guidelines: COPE,  
WAME, Conflict of Interest - Scientific misconducts: Falsification, Fabrication and Plagiarism.  
Plagiarism software tools: Turnitin, URKUND. Redundant publications: Duplicate and  
overlapping publications and Salami slicing. Predatory publishers and journals- Online resource:  
SHERPA/ RoMEO. Research matrices - Impact factor and matrices.

**PRESCRIBED BOOKS:**

1. C.R. Kothari (2002). *Research Methodology*. Vikas publishing House, New Delhi.
2. Goode W. J and Hatt (1952). *Methods in Social Research*. Mcgraw Hill Book Co, Tokyo.

**REFERENCE BOOKS:**

1. Young, Pauline V., (1977). *Scientific Social Surveys and Research*. 4th Edition, Prentice Hall of India.
2. Bryman, Alan, (2008). *Social research methods*. 4th Edition, Oxford University Press..
3. Patton, M.Q.,(2002). *Qualitative Research and Evaluation Methods*, 3rd Edition Sage 41 Publications.

**E-LEARNING RESOURCES:**

1. [www.socialresearchmethods.net](http://www.socialresearchmethods.net)
2. [www.ualberta.ca](http://www.ualberta.ca)
3. <http://finmin.nic.in>

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
A	Answer any 10 out of 12 questions (each in 50 words)	1-12	3	30
B	Answer any 5 out of 7 questions (each in 300 words)	13-19	6	30
C	Answer any 4 out of 6 questions (each in 1200 words)	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	2	1	1
II	2	1	1
III	3	2	2
IV	3	2	1
V	2	1	1
<b>TOTAL</b>			
<b>SECTION A – 12</b>		<b>SECTION B – 7</b>	<b>SECTION C – 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3



**PSO-CO-Question Paper Mapping**

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Develop the basic research methods in social science such as formulation of hypothesis, etc.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Evaluate different sampling techniques available in social science research.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Preparation of research proposal.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Analyze the data by using the null and alternative hypothesis.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Analyze the data by using the various tests available in statistics.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: ELECTIVE III</b>
<b>COURSE NAME: HEALTH ECONOMICS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: III</b>	<b>MARKS:100</b>
<b>CREDITS: 3</b>	<b>TOTAL HOURS: (4) 60</b>
<b>THEORY</b>	

**COURSE OBJECTIVE:**

- This course is to equip students on the role of health in Economic Development and an insight of the health status in India.

**COURSE OUTCOMES:**

1. Examine different theories in health care.
2. Evaluate the different health indicators along with cost effectiveness.
3. Critically examine the health care management system in India.
4. Analyse the different health insurance policies.
5. Examine the role of WHO in health condition of India.

**UNIT I - Introduction to Health Economics (12 HOURS)**

Health and Economic Development – Determinants of Health- Economic Dimensions of Healthcare –Healthcare Models- Beveridge Model, Bismarck Model and Out-of-pocket Model – Demand for Healthcare – Health Care Accessibility– Grossman Model– Supply of Healthcare – Health Care Delivery System- World Health Organization- Importance – Alma Ata Declaration.

**UNIT II - Health Indicators and Evaluation (12 HOURS)**

Health Indicators –(Infant Mortality Rate– Maternal Mortality Rate–Child Mortality Rate) – Morbidity Rate –Global Burden of Disease-Communicable and Non-Communicable Diseases- Lifestyle Disease-Disability Adjusted Life Years (DALY) – Quality Adjusted Life Years (QALY) – Economic evaluation of health care: Cost Benefit Analysis – Cost Effective Analysis.

**UNIT III - Health Care Management (12 HOURS)**

Health Care Financing - Health Management – Prevention – Curative– Palliative – Public Healthcare System- Private Healthcare System- Privatization and Health Care- Health Education- Health Infrastructure- Pre and Post COVID Health Sector Reforms.

**UNIT IV- Health Insurance****(12 HOURS)**

Health Insurance: Definition and Types – Health Insurance and Market Failure- Information Asymmetries- Government Health Insurance – Need – Types – Schemes -Private Health Insurance.

**UNIT V- Health Scenario in India****(12 HOURS)**

Health in India- Ministry of AYUSH – National Health Mission (NHM) – Rural Healthcare system –National Rural Health Mission (NRHM) – Accredited Social Health Activist (ASHA) Workers –Urban Healthcare system – NUHM (National Urban Health Mission) – National Family Health Survey – Alternative sources of Medicine in India – Medical Tourism – Ministry of AYUSH – Role of World Health Organization (WHO), UNICEF, FAA in India.

**PRESCRIBED BOOKS:**

1. N.K. Anand & Shikha Goel (2006). *Health Economics*. AITBS Publishers India.
2. Charles E Phelps (2017). *Health Economics*. Sixth Edition Routledge.

**REFERENCE BOOKS:**

1. Brijesh C. Purohit (2020). *Economics of Public and Private Healthcare and Health Insurance in India*. Sage Publications Private Limited.
2. Jery D, Josephin, Jeyasingh, D. Solomon Raj (2016). *Health Economics*. Greative Crows.
3. Kesavan Sreekantan Nair (2022). *Health Economics and Financing*. New Century Publications.

**E-LEARNING RESOURCES:**

1. <https://www.who.int/>
2. <https://mohfw.gov.in/>
3. <https://www.ayush.gov.in/>

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
<b>A</b>	<i>Answer any 10 out of 12 questions (each in 50 words)</i>	1-12	3	30
<b>B</b>	<i>Answer any 5 out of 7 questions (each in 300 words)</i>	13-19	6	30
<b>C</b>	<i>Answer any 4 out of 6 questions (each in 1200 words)</i>	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	1	1
II	2	1	1
III	3	2	2
IV	2	2	1
V	2	1	1
<b>TOTAL</b>			
<b>SECTION A – 12</b>		<b>SECTION B - 7</b>	<b>SECTION C – 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3

**PSO-CO-Question Paper Mapping**

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Examine different theories in health care.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Evaluate the different health indicators along with cost effectiveness.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Critically examine the health care management system in India.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Analyse the different health insurance policies.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Examine the role of WHO in health condition of India.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: ELECTIVE IV</b>
<b>COURSE NAME: MANAGERIAL ECONOMICS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: III</b>	<b>MARKS:100</b>
<b>CREDITS: 3</b>	<b>TOTAL HOURS: (4) 60</b>
<b>THEORY</b>	

**COURSE OBJECTIVE:**

- To develop and understand the applications of theory and science in managerial economics.

**COURSE OUTCOMES:**

1. Examine the application of economics in business.
2. Evaluate different demand forecasting techniques.
3. Critically analyze different pricing strategies and methods.
4. Apply Break-Even analysis and capital budgeting to develop business.
5. Evaluate different methods of investment appraisal.

**UNIT I - Nature, Scope, and Concepts of Managerial Economics (12 HOURS)**

Managerial Economics – Meaning and Definition – Scope of Managerial Economics – Tools that aid in the decision-making process – Fundamental concepts of managerial economics – Uses of Managerial Economics, Risk and uncertainty, the role of managerial economists.

**UNIT II - Demand Forecasting (12 HOURS)**

Meaning and Definition, Demand Estimation – Objectives of Demand Forecasting – Process of forecasting – Short term and Long-term Forecasting – Demand Forecasting Techniques - Survey method and Statistical Method – Criteria of a Good Forecasting.

**UNIT III - Pricing Strategies (12 HOURS)**

Price discrimination: First-degree, Second-degree and Third-degree price discrimination- Approached to Pricing: (a) Cost-plus pricing (b) Target returns pricing (c) Product life cycle pricing: Skimming strategy-penetration strategy (d) Transfer pricing.

**UNIT IV- Break–Even Analysis and Capital Budgeting (12 HOURS)**

Meaning and Definition – Concepts – BEA – contribution analysis, Profit Volume Ratio, Margin of Safety – Capital Budgeting – Meaning and Significance of Capital Budgeting.

**UNIT V- Investment Appraisal****(12 HOURS)**

The investment selection process- Estimating cash flows- Evaluating Investment: (a) Payback method (b) Net present value method- The cost of capital (a) Dividend valuation model (b) Capital–asset pricing model.

**PRESCRIBED BOOKS:**

1. Yogesh Maheshwari, (2012). *Managerial Economics*.
2. H. L. Ahuja, (2018). *Managerial Economics*.

**REFERENCE BOOKS:**

1. Howard Davies (1998). *Managerial Economics*. Pitman, London.
2. Lliam Boyes (2005). *The New Managerial Economics (Indian Adaptation Edition)*. New Delhi, Biztantra.
3. Ahuja H. L. (2008). *Managerial Economics*. S. Chand & Co. New Delhi.

**E-LEARNING RESOURCES:**

1. <https://www.amazon.in/Managerial-Economics-Yogesh-Maheshwari-ebook/dp/B00K7BMJQA>
2. <https://www.kobo.com/in/en/ebook/managerial-economics-5>
3. <https://plato.stanford.edu/entries/game-theory/>

**GUIDELINES TO THE QUESTION PAPER SETTERS****QUESTION PAPER PATTERN**

<b>SECTION</b>	<b>QUESTION COMPONENT</b>	<b>NUMBERS</b>	<b>MARKS</b>	<b>TOTAL</b>
<b>A</b>	<i>Answer any 10 out of 12 questions (each in 50 words)</i>	<i>1-12</i>	<i>3</i>	<i>30</i>
<b>B</b>	<i>Answer any 5 out of 7 questions (each in 300 words)</i>	<i>13-19</i>	<i>6</i>	<i>30</i>
<b>C</b>	<i>Answer any 4 out of 6 questions (each in 1200 words)</i>	<i>20-25</i>	<i>10</i>	<i>40</i>
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	2	1
II	2	1	1
III	3	2	2
IV	2	1	1
V	2	1	1
<b>TOTAL</b>			
	<b>SECTION A – 12</b>	<b>SECTION B – 7</b>	<b>SECTION C – 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3

### PSO-CO-Question Paper Mapping

CO No:	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL (K1 to K6)
CO1	Examine the application of economics in business.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Evaluate different demand forecasting techniques.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Critically analyze different pricing strategies and methods.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Apply Break-Even analysis and capital budgeting to develop business.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Evaluate different methods of investment appraisal.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**



<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: EDE II</b>
<b>COURSE NAME: GENDER ECONOMICS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: III</b>	<b>MARKS:100</b>
<b>CREDITS: 3</b>	<b>TOTAL HOURS: (3) 45</b>
<b>THEORY</b>	

**COURSE OBJECTIVE:**

- To evaluate sources of socio-economic and demographic information for analyzing the impact of the gender factor on demographic processes and economic development.

**COURSE OUTCOMES:**

1. Develop the importance of gender in all economic analysis.
2. Examine gender inequality in labor market.
3. Examine gender issues on health, environment, family welfare measures, etc.
4. Critically analyze the contribution of women in organized and unorganized sector to reduce poverty and inequality.
5. Analyse different social issues related to women and effective implementation of different policies and programmes.

**UNIT I - Introduction**

**(9 HOURS)**

Definition- Objectives of Gender Studies - Importance of gender Studies -Women and work: unpaid, underpaid and casual work - Women in primary, secondary and tertiary sectors - Classification of work in Indian census and NSSO – Main workers, marginal workers, non-workers - Invisibility of women's work, problems in measurement - Non-recognition of women's work in national income accounting.

**UNIT II - Gender Inequality in Labor Market**

**(9 HOURS)**

Segmented Labor Market and Occupational Segregation - Gendered jobs and Social Inequality - Sex Segregation at Work Place - Globalisation and its impact on gender - Issues of wage Discrimination and exploitation in unorganised sector - Women's participation in organised sector - Gender Discrimination - Gender issues at the work place.

**UNIT III - Social Empowerment**

**(9 HOURS)**

Women in Higher Education - Gender issues on Health, Education, Employment, Environment, Family welfare Measures – Recent representations of women: politics and media.

#### **UNIT IV- Economic Empowerment**

**(9 HOURS)**

Introduction - Organized sector, unorganized sector - Role of Women in Economic Development – Female Poverty and Poverty alleviation programmes - Status of Women farmers and land rights – Gender Budgeting, Women Entrepreneurs - Impact of Globalization on working women - National Policy for the empowerment of women 2001.

#### **UNIT V- Social issues and Women in Indian Planning**

**(9 HOURS)**

Issues in the Unorganized sector of Employment - Women's work: Status and problems - problems of Dalit women - Invisibility of women in official data system - Absence of gender disaggregated data - Initiatives towards recognition of women as agents of development from 10<sup>th</sup> five-year plan.

#### **PRESCRIBED BOOKS:**

1. Eswaran, M. (2014). *Why Gender Matters in Economics*. Princeton University Press.
2. Becchio, G. (2019). *A History of Feminist and Gender Economics*. Routledge.

#### **REFERENCE BOOKS:**

1. Humphries, J. (1995). *Gender and Economics*. Edward Elgar Publishing.
2. Dijkstra, G., & Plantenga, J. (2013). *Gender and Economics: a European perspective*. Routledge.
3. Negra, D., & Tasker, Y. (2014). *Introduction. Gender and recessionary culture. In Gendering the Recession* (pp. 1-30). Duke University Press.

#### **E-LEARNING RESOURCES:**

1. <https://www.academia.edu> > 9\_Ch\_1\_Gender\_Economi...
2. <https://ftp.iza.org> >
3. <https://www.oecd.org> > [derec](#) > [worldbankgroup](#)

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
<b>A</b>	<i>Answer any 10 out of 12 questions (each in 50 words)</i>	<b>1-12</b>	<b>3</b>	<b>30</b>
<b>B</b>	<i>Answer any 5 out of 7 questions (each in 300 words)</i>	<b>13-19</b>	<b>6</b>	<b>30</b>
<b>C</b>	<i>Answer any 4 out of 6 questions (each in 1200 words)</i>	<b>20-25</b>	<b>10</b>	<b>40</b>
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	1	1
II	2	1	1
III	3	2	2
IV	2	2	1
V	2	1	1
<b>TOTAL</b>			
<b>SECTION A – 12</b>		<b>SECTION B – 7</b>	<b>SECTION C – 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3

**PSO-CO-Question Paper Mapping**

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Develop the importance of gender in all economic analysis.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Examine gender inequality in labor market.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Examine gender issues on health, environment, family welfare measures, etc.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Critically analyze the contribution of women in organized and unorganized sector to reduce poverty and inequality.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Analyse different social issues related to women and effective implementation of different policies and programmes.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: MASTER OF ARTS</b>	<b>BATCH: 2024-26</b>
<b>PART:B</b>	<b>COURSE COMPONENT: SOFT SKILLS III</b>
<b>COURSE NAME: EMPLOYABILITY SKILLS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: III</b>	<b>MARKS:100</b>
<b>CREDITS: 2</b>	<b>TOTAL HOURS: 30</b>
<b>THEORY</b>	

**COURSE OBJECTIVE:**

- To cultivate a comprehensive set of Employability Skills, encompassing both Technical Expertise and Soft Skills essential for Professional Success.

**COURSE OUTCOMES:**

1. Students will understand the overall advancement and development in the Global Job Market by envisaging its impact on prospective employees
2. Students will acquire the much-needed skill sets to prepare themselves to be competent and confident
3. Students will obtain global perspectives on diverse work cultures to handle different environments by not losing their individuality.
4. Students will focus on being mentally and physically fit in accomplishing their goals in their preferred workplaces.
5. Students will understand the proper drafting format of a Resume/CV and the different online portals available for job seekers.

**UNIT I- Introduction to Global Perspectives in Employment (6 HOURS)**

Globalization- Market Expansion- Diversity and Inclusion- Competitive Advantage- Cultural Sensitivity- Adaptability- Innovation and Creativity- Risk Management- Career Advancement

**UNIT II - Key Employability Skills in a Global Context (6 HOURS)**

Cross-cultural Communication- Language Proficiency- Flexibility- Global Awareness- Interpersonal Skills, Problem-solving and Critical Thinking- Teamwork- Global Business Acumen- Digital Literacy- Resilience and Persistence

**UNIT III - Understanding Diverse Work Environments (6 HOURS)**

Diversity- Inclusive Practices- Communication Styles- Team Dynamics- Conflict Resolution- Cultural Sensitivity- Work Practices- Job Hopping- Moon Lighting- Training and Development- Leadership Commitment- Continuous Learning

**UNIT IV- Employers' Expectations from Employees (6 HOURS)**

Job Competence- Required Skill Sets- Reliability and Accountability- Initiative and Proactivity- Adaptability and Flexibility- Teamwork and Collaboration- Professionalism and Ethical Conduct, Customer Focus, Progressive Learning and Development- Adherence to Policies and Procedures, Contribution to Organizational Culture

**UNIT V: Navigating International Job Markets (6 HOURS)**

Network Globally- Advertisements- Overseas Appointments- knowledge of International Labour Laws- Do's and Don't s of Migrant Workers- Skilled Labour- Utilize Online Job Portals- Customize your Resume/CV- Preparedness for Remote Interviews and Assignments- Awareness: Health, Insurance, Foreign Exchange

**PRESCRIBED BOOKS:**

1. Covey, Stephen (2004) *Seven Habits of Highly Effective People: Powerful Lessons in Personal Change*, Free press.
2. Wiesinger, Susan & Ralph Beliveau (2023) *Digital Literacy: A Primer on Media, Identity, and the Evolution of Technology*

**REFERENCE BOOKS:**

1. Hasson, Gill(2012) *Brilliant Communication Skills*. Great Britain: Pearson Education.
2. Trought, Frances. Dr. Brilliant(2017) *Employability Skills*, 2nd Edition Pearsons Business.
3. Soft Skills Training: A workbook to develop skills for employment, 2012
4. <https://bharatskills.gov.in/pdf/EmployabilitNew.pdf>

## E-LEARNING RESOURCES:

1. <https://www.sydney.edu.au/careers/students/career-advice-and-development/employability-skills.html>
2. <https://www.careers.ox.ac.uk/develop-your-employability-skills>
3. <https://www.careers.ox.ac.uk/boosting-your-employability>
4. <https://builtin.com/diversity-inclusion/types-of-diversity-in-the-workplace>
5. <https://www.coursera.org/articles/employability-skills>

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
A	Answer any 5 out of 7 questions (answer in 50 words)	1-7	2	10
B	Answer any 4 out of 6 questions (answer in 300 words)	8-13	5	20
C	Answer any two( Internal (Choice)	14-15	10	20
	Internal & Viva Voce		50	50
	<b>Total</b>			<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	2	2	----
II	2	1	1
III	1	1	1
IV	1	1	1
V	1	1	1
<b>TOTAL</b>			
	<b>SECTION A - 7</b>	<b>SECTION B - 6</b>	<b>SECTION C - 4</b>

# **SEMESTER - IV**



<b>PROGRAMME: M.A.ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: CORE XII</b>
<b>COURSE NAME: DEVELOPMENT OF ECONOMIC DOCTRINES</b>	<b>COURSE CODE:</b>
<b>SEMESTER: IV</b>	<b>MARKS:100</b>
<b>CREDITS: 4</b>	<b>TOTAL HOURS: (6) 90</b>
<b>THEORY</b>	

### **COURSE OBJECTIVE:**

- To explain the nature and scope of economic thought and its principles and understanding classical economists ideology and theory of Marx, Keynesian revolution, Marginalism Revolution and its operations, thoughts of various Nobel laureates in economics

### **COURSE OUTCOMES:**

1. Examine the economic ideas of mercantilism and physiocracy.
2. Critically examine the economic contributions of Classical Economists and Karl Marx.
3. Evaluate economic ideas of Marginal and Institutional school.
4. Compare and analyse Keynes, New Keynes and modern economic ideas.
5. Examine the economic ideas of Nobel Laureates and Indian freedom fighters.

### **UNIT I- Pre-Classical Thought (18 HOURS)**

Nature and Scope of Economic Thought – Philosophical ideas of Aristotle and Plato, Mercantilism: Growth of Mercantilism- Main Principles – Important Mercantilists - Physiocracy - Main concepts - Important Physiocrats.

### **UNIT II- Classical Economists and Karl Marx (18 HOURS)**

Adam Smith- Division of Labour- Theory of Value- Laissez Faire- Canons of Taxation - Ricardo: Theory of Rent - Comparative Advantage Theory of Trade- Malthus- Theory of Population –Theory of Gluts –Karl Marx-Theory of Surplus Value -Breakdown of the Capitalist System

### **UNIT III: Neo-Classical and Institutionalist Thought (18 HOURS)**

The Marginalist Revolution- Marshall: Value and Role of Time – Marginal Utility and Consumer's Surplus – Distribution – Marshallian Concepts – Representative Firm, Economies of Scale, Quasi-Rent- Institutional Economics – Veblen – Mitchell –J. R. Commons.

**UNIT IV- Keynesian Revolution and Modern Thought (18 HOURS)**

Keynes – Psychological Law of Consumption- Effective Demand-Theory of Employment- Schumpeter’s Theory of Innovation - Hicks theory of Trade Cycle - New Keynesian Economics- New classical Economics –Rational Expectation Hypothesis.

**UNIT V- Nobel Laureates in Economics and Indian Economic Thought (18 HOURS)**

Nobel Laureates in Economics – Paul A Samuelson – Kuznets – Hicks – Myrdal – Milton Friedman – Recent Nobel Laureates (Last Three Years)- Indian Economic Thought – Dadabhai Naoroji- Mahatma Gandhi - B.R. Ambedkar – Amartya Sen – Sen’s Capability Approach –Poverty and Inequality.

**PRESCRIBED BOOKS:**

1. Lokanathan, V. *History of Economic Thought*, S Chand & Co Ltd.
2. Bhatia, H.L. (2018). *History of Economic Thought*. S Chand & Co Ltd.
3. Srivastava S.K (2002). *History of Economic Thought*. S. Chand Publication.
4. M. L. Jhingan, M. Girija, L. Sasikala (2014). *History of Economic Thought*. 3rd Edition, Virnda Publication 2014.
5. R. R. Paul (2018). *History of Economic Thought*. Kalyani Publisher.

**REFERENCE BOOKS:**

1. Amartya Sen (1982). *Welfare and Measurement*. Oxford University Press, New Delhi.
2. Gandhi, M.K. (1938). *Economics of Village Industries*. Navjivan Publishers, New Delhi.
3. T. N. Hajela, (2015). *History of Economic Thought*. Ane Students Edition 18<sup>th</sup> Edition.
4. Gide and Rist, (2014). *A History of Economic Doctrines*. Nabu Press.
5. V. Lokanathan (2009). *A History of Economic Thought*. S. Chand& Co Limited.

**E-LEARNING RESOURCES:**

1. <https://www.hetwebsite.net/het/>
2. <https://thoughteconomics.com/>
3. <https://www.nobelprize/economic-sciences/>
4. <https://www.aeaweb.org/resources/students>
5. <https://sites.google.com/site/maeconomicsku/home>

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
A	Answer any 10 out of 12 questions(each in 50 words)	1-12	3	30
B	Answer any 5 out of 7 questions(each in 300 words)	13-19	6	30
C	Answer any 4 out of 6 questions(each in 1200 words)	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	2	2
II	2	1	1
III	3	2	1
IV	2	1	1
V	2	1	1
<b>TOTAL</b>	12	7	6
<b>SECTION A - 12</b>		<b>SECTION B - 7</b>	<b>SECTION C - 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
CO 1	3	3	3	3	3
CO 2	3	3	3	3	3
CO 3	3	3	3	3	3
CO 4	3	3	3	3	3
CO 5	3	3	3	3	3
Ave.	3	3	3	3	3

### PSO-CO-Question Paper Mapping

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Examine the economic ideas of mercantilism and physiocracy.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Critically examine the economic contributions of Classical Economists and Karl Marx.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Evaluate economic ideas of Marginal and Institutional school.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Compare and analyse Keynes, New Keynes and modern economic ideas.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Examine the economic ideas of Nobel Laureates and Indian freedom fighters.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: CORE XIII</b>
<b>COURSE NAME: INDUSTRIAL ECONOMICS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: IV</b>	<b>MARKS:100</b>
<b>CREDITS: 4</b>	<b>TOTAL HOURS: (6) 90</b>
<b>THEORY</b>	

**COURSE OBJECTIVE:**

- The objectives are to equip students with knowledge about the industrial impact on the economy and to comprehend the global implications of domestic industries.

**COURSE OUTCOMES:**

1. Elucidate the basic concepts in industrialization.
2. Apply the theories of industrial location for regional development.
3. Develop the different structure of industrial organization.
4. Analyse the sources of industrial finance.
5. Critically examine different industrial issues.

**UNIT I - Introduction**

**(18 HOURS)**

Industrialization - Meaning of Industrialization – Industrialization in India - Factors hampering Industrial development in India – Growth and Current status of the Indian Industrial Sector.

**UNIT II - Industrial Location**

**(18 HOURS)**

Theories of Industrial location: Walter Christaller's Central Place theory - August Losch's model theory, Factors influencing Industrial Location measures of location – Patterns of industrialization – Hoffman, Simon Kuznets and Chenery - Concept of Optimum Firm – Factors determining optimum size of a firm.

**UNIT III - Industrial Organization**

**(18 HOURS)**

Structure and change- Public policy and industries and concentration: Concepts – Measures of monopoly – Control of monopoly-Industrial monopoly legislation- The Indian MRTP Act, 1969- Competition Act 2002.

**UNIT IV- Industrial Finance and Development Financial Institutions** **(18 HOURS)**

Industrial Finance – Sources of Industrial Finance – Development Financial Institutions (DFIs) – National Level Financial Institutions: IFCI- IDBI, State Level Financial Institutions: SIDBI- SFCs, Regulation and Supervision of Financial Institutions – Recent Policy Initiatives regarding Development Financial Institutions (DFIs) and BIFR.

**UNIT V- Indian Industry: Issues and Challenges****(18 HOURS)**

Rationale-organization – Industrial efficiency and Pricing policies – The question of efficiency – Performance of public sector in India – Industrial reforms: Pre and Post-Liberalisation - Foreign capital and role of MNC in India.

**PRESCRIBED BOOKS:**

1. R.R. Barthwal (2021) *Industrial Economics: An Introductory Textbook*, New Age International Publication, New Delhi.
2. I.C. Dhingra (2013), *Industrial Economics*, Book Age Publications, New Delhi

**REFERENCE BOOKS:**

1. Divine, P.J. et al., (1978), *An Introduction to Industrial Economics* 3<sup>rd</sup> Edition, George Allen and Unwin, London.
2. Hay, D.A. and D. J. Morris (1979), *Industrial Economics: Theory and Evidence*, Oxford University Press, Oxford.
3. Anup Chatterjee, (2012) *Industrial Policy and Economic Development in India – 1947 – 2012*, New Century Publications, New Delhi

**E-LEARNING RESOURCES:**

1. <https://www.amazon.in/Birth-Death-Consumers-Population-Studies-ebook/dp/B074VIFY96J>
2. <https://www.taylorfrancis.com/series/international-population-studies/ashser1353>
3. <https://www.indiabudget.gov.in/economicsurvey/>

**GUIDELINES TO THE QUESTION PAPER SETTERS****QUESTION PAPER PATTERN**

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
<b>A</b>	<i>Answer any 10 out of 12 questions(each in 50 words)</i>	1-12	3	30
<b>B</b>	<i>Answer any 5 out of 7 questions(each in 300 words)</i>	13-19	6	30
<b>C</b>	<i>Answer any 4 out of 6 questions(each in 1200 words)</i>	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

## BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	1	1
II	2	2	1
III	2	1	1
IV	2	1	2
V	3	2	1
<b>TOTAL</b>			
	<b>SECTION A – 12</b>	<b>SECTION B - 7</b>	<b>SECTION C - 6</b>

## PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3

## PSO-CO-Question Paper Mapping

CO No:	COURSE OUTCOME	PSOs ADDRESSED	COGNITIVE LEVEL (K1 to K6)
CO1	Elucidate the basic concepts in industrialization.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Apply the theories of industrial location for regional development.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Develop the different structure of industrial organization.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Analyse the sources of industrial finance.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Critically examine different industrial issues.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: M.A.ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: CORE XIV</b>
<b>COURSE NAME: DEVELOPMENT ECONOMICS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: IV</b>	<b>MARKS:100</b>
<b>CREDITS: 4</b>	<b>TOTAL HOURS: (6) 90</b>
<b>THEORY</b>	

**COURSE OBJECTIVE:**

- The aim is to trace the evolution of theories of economic development and imparting the ideas on economic development and economic growth and its determinants and also familiarize the students about the index of measuring economic development.

**COURSE OUTCOMES:**

1. Develop different indicators for economic development.
2. Analyse various theories of development and growth.
3. Examine the causes and consequences of poverty, inequality and lesser human capital.
4. Critically examine the role of agriculture and rural development on growth.
5. Evaluate various policies for market development.

**UNIT I - Introduction to Conceptualizing Development (18 HOURS)**

Introduction to conceptualizing development: (a) GNP) as development indicator (b) Sen's capabilities approach to development: The Human Development Index- The structural characteristics of developing economies- Factors of development : (a) Capital accumulation (b) Labour (c) Natural resources (d) Technological Progress (e) Social institutions cultural values and entrepreneurial ability.

**UNIT II -Theories of Development and Growth (18 HOURS)**

Theories of Development as growth: (a) Harrod-Domar model (b) Rostow's stages of growth theory (c) Lewis theory (d) balanced and unbalanced growth (e) Neo classical growth theory –Solow Model- Contemporary theory of development: (a) New growth theory: Romer model (b) Underdevelopment as Co-ordination failure (c) Kremer's O-Ring theory of development- Dependency theory-path dependence in development: QWERTY- Geography and development: Krugman's theory.

**UNIT III - Poverty, Inequality and Human Capital Measurement (18 HOURS)**

Poverty, Inequality and Human Capital Measurement of inequality and poverty-Inverted –U hypothesis - Cause of inequality- Investing in education and health-the human capital



approach Education and Development (a) social and private benefits of education- (b) education, inequality and poverty (c) Women's education and development Health system in development (a) health and productivity (b) financing health system in developing economics (c) Gender perspective in health care.

**UNIT IV- Agriculture and Rural Development (18 HOURS)**

Agriculture and Rural Development - The role of agriculture in development- Agricultural policy: (a) agricultural taxation (b) pricing policy- Risk aversion and uncertainty in subsistence farming-sharecropping and interlocking factor markets- Rural urban migration – Todaro model –Rural credit markets (a) providers and characteristics (b) theories of informed credit markets: lender's monopoly and default collateral.

**UNIT V- Policies for Market Development (18 HOURS)**

Policies for market development: (a) The Washington consensus components and critical evaluation (b) The role of state in development (c) Market failure state failure and development- Trade Policy in development: (a) Import substitution (b) Export promotion- Fiscal policy for development: (a) Direct vs indirect taxes (b) Pattern and level of taxation.- Financial system in development: (a) the role of financial system in development (b) role of central banks (c) financial liberalization.

**PRESCRIBED BOOKS:**

1. Jhingan M.L. (2019). *The Economics of Development and Planning*. 42th edition, Vrinda Publications.
2. Agrawal, A.N. *Indian Economy: Problems of Development and Planning*.

**REFERENCE BOOKS:**

1. Michael P. Todaro and Stephen C. Smith (2004). *Economic Development*. Pearson Education, Singapore.
2. Yujiro Hayami (2003). *Development Economics*. Oxford University Press, New Delhi. Tamilnadu State Council for Higher Education.
3. Debraj Ray (2009). *Development Economics*. Oxford University Press, New Delhi.

**E-LEARNING RESOURCES:**

1. [https://economicsconcepts.com/human\\_development\\_index\\_\(hdi\).htm](https://economicsconcepts.com/human_development_index_(hdi).htm)
2. <https://hdr.undp.org/data-center/human-development-index#/indicies/HDI>
3. <https://web.stanford.edu/~chadj/facts.pdf>

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
A	Answer any 10 out of 12 questions(each in 50 words)	1-12	3	30
B	Answer any 5 out of 7 questions(each in 300 words)	13-19	6	30
C	Answer any 4 out of 6 questions(each in 1200 words)	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	2	2
II	2	1	1
III	3	2	1
IV	2	1	1
V	2	1	1
<b>TOTAL</b>	12	7	6
<b>SECTION A - 12</b>		<b>SECTION B - 7</b>	<b>SECTION C - 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
CO 1	3	3	3	3	3
CO 2	3	3	3	3	3
CO 3	3	3	3	3	3
CO 4	3	3	3	3	3
CO 5	3	3	3	3	3
Ave.	3	3	3	3	3

### PSO-CO-Question Paper Mapping

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Develop different indicators for economic development.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Analyse various theories of development and growth.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Examine the causes and consequences of poverty, inequality and lesser human capital.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Critically examine the role of agriculture and rural development on growth.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Evaluate various policies for market development.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: M.A. ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: CORE XV</b>
<b>COURSE NAME: PROJECT</b>	<b>COURSE CODE:</b>
<b>SEMESTER: IV</b>	<b>MARKS:100</b>
<b>CREDITS: 4</b>	<b>TOTAL HOURS: (6) 90</b>
<b>THEORY AND PROBLEMS</b>	

**COURSE OBJECTIVE:**

- The course aims to develop students' ability to prepare research reports with critical thinking, analyze data quantitatively and interpret and draft reports ethically.

**COURSE OUTCOMES:**

1. Identify the research problem and construct conceptual/theoretical frame work on different issues through scientific methods in the industry and society.
2. Investigate the integrated knowledge gathered from various literature reviews and other secondary data.
3. Examine the basic concepts and methodologies through scientific research.
4. Apply statistical tools for data analysis and interpretation.
5. Synthesize the research findings both in written and verbal form, draw conclusion and make recommendations.

**UNIT I - INTRODUCTION**

**UNIT II - REVIEW OF LITERATURE**

**UNIT III - RESEARCH METHODOLOGY**

**UNIT IV - ANALYSIS AND INTERPRETATION**

**UNIT V - FINDINGS, SUGGESTIONS AND CONCLUSION**

**PRESCRIBED BOOKS:**

1. Kothari, C.R. (2008). *Research Methodology: Methods and Techniques*. Second Edition. New Age International Publishers, New Delhi.
2. Gupta S.P. (2008). *Statistical Methods. 37th ed.* (Rev) Sultan Chand and Sons publications.

## REFERENCE BOOKS:

1. Garg B. L., Karadia, R., Agarwal, F. and Agarwal, U.K., (2002). *An Introduction to Research Methodology*. RBSA Publishers.
2. Kumar, Ranjit, (2005). *Research Methodology-A Step-by-Step Guide for Beginners*. (2nd.ed), Singapore, Pearson Education.
3. Sinha, S.C. and Dhiman, A.K., (2002). *Research Methodology*. Ess Publications.

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	MARKS	TOTAL
A	<i>Introduction</i>	20	20
B	<i>Review of Literature</i>	20	20
C	<i>Research Methodology</i>	20	20
D	<i>Data Analysis and Interpretation</i>	20	20
E	<i>Findings, Suggestions and Conclusions</i>	20	20
<b>TOTAL MARKS</b>			<b>100</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
CO 1	3	3	3	3	3
CO 2	3	3	3	3	3
CO 3	3	3	3	3	3
CO 4	3	3	3	3	3
CO 5	3	3	3	3	3
Ave.	3	3	3	3	3

### PSO-CO-Question Paper Mapping

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Identify the research problem and construct conceptual/theoretical frame work on different issues through scientific methods in the industry and society.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Investigate the integrated knowledge gathered from various literature reviews and other secondary data.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Examine the basic concepts and methodologies through scientific research.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Apply statistical tools for data analysis and interpretation.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Synthesize the research findings both in written and verbal form, draw conclusion and make recommendations.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: M.A.ECONOMICS</b>	<b>BATCH: 2024 - 26</b>
<b>PART:</b>	<b>COURSE COMPONENT: ELECTIVE V</b>
<b>COURSE NAME: COMPUTER APPLICATIONS IN ECONOMICS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: IV</b>	<b>MARKS:100</b>
<b>CREDITS: 3</b>	<b>TOTAL HOURS: (4) 60</b>
<b>THEORY</b>	

### **COURSE OBJECTIVE:**

- To teach the fundamentals principles of computing, Microsoft office applications, and navigating the SPSS environment. Explore dialogue boxes for statistical procedures and gain proficiency in creating data files, as well as applying statistical analyses using SPSS software.

### **COURSE OUTCOMES:**

1. Application of computer in economics.
2. Application of MS office components on economic variables.
3. Distinguish the various types of windows and its functions in SPSS.
4. Create data files in SPSS.
5. Application of statistical tools in SPSS.

### **UNIT I – Introduction to Computer (12 HOURS)**

Computer - Meaning - History of Computer - Types of Computer - Computer Generations - Components of Computer - Classification of Computer Languages - Application of Computer in Various Fields.

### **UNIT II – MS Office Applications (12 HOURS)**

MS Office Components – MS Word, MS Excel, MS Power Point and MS Outlook: Its Features and Uses.

### **UNIT III- SPSS Environment (12 HOURS)**

SPSS Environment – SPSS Windows - Menus and its Functions: File, Edit, View, Data, Transform, Analyze, Graphs, Utilities, Window, Help – Tool Bars in SPSS - Dialogue Boxes for Statistical Procedures - Source Variable List, Selected Variable(s) List, Command Pushbuttons, Accessing Sub-Dialogue Boxes, Check Boxes, Radio Buttons and Drop-Down Lists, Saving Data Files, Opening an Existing Data Files - Ending Session.

#### **UNIT IV- Preparation of Data Files in SPSS**

**(12 HOURS)**

Preparation of Data Files - Defining variables, Variable Labels, Value Labels, Missing Values, Variable Type, Column Format, Measurement Level, Applying Variable Definition Attributes to Other Variables, Entering Data, Inserting and Deleting Cases and Variables, Moving Variables.

#### **UNIT V- Data Analysis Using SPSS**

**(12 HOURS)**

Descriptive Statistics – Frequencies - Descriptive Command - Correlation: Bivariate, Partial – Regression: Linear and Multi-collinearity in Regression - Cross Tabulation- Chi-square Analysis - Compare Means: One Sample T-test - Independent Sample T-test - One way ANOVA.

#### **PRESCRIBED BOOKS:**

1. Rajaraman, V. (2005), *Fundamentals of Computers*, Prentice Hall of India, New Delhi.
2. Sudhanshu Maurya ( 2020), *Advanced MS-Office*, Jharkhand Rai University.
3. Sheridan J Coakes-Lyndall Steed-Peta Dzidic, (2006), *SPSS 13.0 Version for Window: Analysis without Anguish*, 13<sup>th</sup> Edition, John Wiley & Sons (P) Ltd., Australia.

#### **REFERENCE BOOKS:**

1. Jain Anupama (2020) *Computer Fundamental MS Office*, Vitasta Publishing Pvt.Ltd
2. Joan Lambert and Curtis Frye, (2015) *Microsoft MS 2016 Steps by Steps*, Microsoft Press Washington.
3. Darren George Paul Mallery, 2016, *IBM SPSS Statistics 23 step by step*, 14<sup>th</sup> Edition Revised, Routledge Taylor & Francis Group Publication.

#### **E-LEARNING RESOURCES:**

1. <https://www.javatpoint.com/computer-fundamentals-tutorial>
2. <http://anucde.info/bba3a.pdf>
3. <https://fdocuments.in/document/spss-analysis-without-anguish-using-spss-v12pdf.html>



4. [https://kupdf.net/download/spss-analysis-without-anguish-using-spss-v12\\_59d27a4e08bbc59342687127\\_pdfhttps://ais.ku.edu.tr/course/15423/SPSS%20chap%201.pdf](https://kupdf.net/download/spss-analysis-without-anguish-using-spss-v12_59d27a4e08bbc59342687127_pdfhttps://ais.ku.edu.tr/course/15423/SPSS%20chap%201.pdf)
5. <https://www.uwindsor.ca/its/sites/uwindsor.ca.its/files/SPSS%20for%20Windows.pdf>
6. <https://ais.ku.edu.tr/course/15423/Data%20screening%20and%20transformation.pdf>

## GUIDELINES TO THE QUESTION PAPER SETTERS

### QUESTION PAPER PATTERN

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
A	Answer any 10 out of 12 questions(each in 50 words)	1-12	3	30
B	Answer any 5 out of 7 questions(each in 300 words)	13-19	6	30
C	Answer any 4 out of 6 questions(each in 1200 words)	20-25	10	40
<b>TOTAL MARKS</b>				<b>100</b>

### BREAK UP OF QUESTIONS FOR THEORY

UNITS	SECTION A	SECTION B	SECTION C
I	3	2	2
II	2	1	1
III	3	2	1
IV	2	1	1
V	2	1	1
<b>TOTAL</b>	12	7	6
<b>SECTION A - 12</b>		<b>SECTION B - 7</b>	<b>SECTION C - 6</b>

### PSO – CO Mapping

	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
<b>CO 1</b>	3	3	3	3	3
<b>CO 2</b>	3	3	3	3	3
<b>CO 3</b>	3	3	3	3	3
<b>CO 4</b>	3	3	3	3	3
<b>CO 5</b>	3	3	3	3	3
<b>Ave.</b>	3	3	3	3	3

**PSO-CO-Question Paper Mapping**

<b>CO No:</b>	<b>COURSE OUTCOME</b>	<b>PSOs ADDRESSED</b>	<b>COGNITIVE LEVEL (K1 to K6)</b>
CO1	Application of computer in economics.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO2	Application of MS office components on economic variables.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO3	Distinguish the various types of windows and its functions in SPSS.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO4	Create data files in SPSS.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6
CO5	Application of statistical tools in SPSS.	PSO1, PSO2, PSO3, PSO4, PSO5	K1, K2, K3, K4, K5, K6

**K1= Remember, K2= Understand, K3= Apply, K4=Analyse, K5= Evaluate, K6= Create**

<b>PROGRAMME: MASTER OF ARTS</b>	<b>BATCH: 2024-26</b>
<b>PART:</b>	<b>COURSE COMPONENT: SOFT SKILLS IV</b>
<b>COURSE NAME: ADVANCED COMPUTING PARADIGMS</b>	<b>COURSE CODE:</b>
<b>SEMESTER: IV</b>	<b>MARKS:100</b>
<b>CREDITS: 2</b>	<b>TOTAL HOURS: 30</b>
<b>THEORY</b>	

**COURSE OBJECTIVES:**

- To provide a deep understanding and practical experience in emerging methodologies in IT.

**COURSE OUTCOMES:**

1. Ability to do advance data processing using Excel.
2. Competency to represent data efficiently using Excel and Chat GPT
3. Adeptness to integrate AI Tools with Microsoft word and Microsoft Power point and to Translate documents using AI.
4. Skill to use the open source design tool Canva
5. Ability to efficiently visualize data using Tableau.

**UNIT I - Excel**

**(6 HOURS)**

**Excel:** Cell Reference -Types of Cell Reference -Ranges, Named Ranges, Functions- Sum, Average, Max, Min, Count, Count A, Count Blank- Logical Functions- If and Nested If Functions, If with AND, OR, NOT, Count, If.

**UNIT II - Conditional Formatting**

**(6 HOURS)**

**Conditional Formatting:** PivotTables-Basic PivotTable Data, Insert a Pivot Table, Lookup Functions–Excel with Chat GPT.

**UNIT III - AI Tools**

**(6 HOURS)**

**AI Tools:** Integrating Chat GPT in Microsoft Word, AI tool for PowerPoint Presentation - ANUVADINI: Voice & Document AI Translation Tools.

**UNIT IV – Introduction to Open Source Design Tools (6 HOURS)**

Introduction to Open Source Design Tools - Canva: What is Canva? - Logging into Canva - Choosing a Carleton templates - Canva Editor - Open and edit your design - Using the Canva sidebar - Save and download your design piece - Share your design.

**UNIT V - Tableau (6 HOURS)**

**Tableau** – Introduction- Adding Data Sources in Tableau – Data Types - Working with Measures and Dimensions – Working with Marks - - Creating Charts – Bar Chart – Line Chart- Maps.

**REFERENCES:**

1. <https://www.w3schools.com/excel/>
2. <https://anuvadini.aicte-india.org/>
3. <https://d31kydh6n6r5j5.cloudfront.net/uploads/sites/158/2020/06/Canva-Userguide.pdf>
4. Tableau – Visual Analytics with Tableau – Alexander Loth.

**GUIDELINES TO THE QUESTION PAPER SETTERS**

**QUESTION PAPER PATTERN**

SECTION	QUESTION COMPONENT	NUMBERS	MARKS	TOTAL
<b>A</b>	Answer any 5 out of 7 questions (answer in 50 words)	1-7	2	10
<b>B</b>	Answer any 4 out of 6 questions (answer in 300 words)	8-13	5	20
<b>C</b>	Answer any two( Internal (Choice)	14-15	10	20
	Internal & Viva Voce		50	50
	<b>Total</b>			<b>100</b>

**BREAK UP OF QUESTIONS FOR THEORY**

<b>UNITS</b>	<b>SECTION A</b>	<b>SECTION B</b>	<b>SECTION C</b>
I	2	2	----
II	2	1	1
III	1	1	1
IV	1	1	1
V	1	1	1
<b>TOTAL</b>			
	<b>SECTION A - 7</b>	<b>SECTION B - 6</b>	<b>SECTION C - 4</b>

**ANNEXURE - I**  
**SELF STUDY COURSES**

# SELF STUDY COURSES

## 1. FINANCIAL ECONOMICS

### COURSE OBJECTIVES:

- To enhance the knowledge and skills of the students in different functional areas of economy with special reference to financial market and to work effectively in economic & financial sector institutions also apply various theories in Financial Markets.

### UNIT I - Introduction to Financial Markets

Capital Markets - Consumption and Investments with and without Capital Markets - Market Places and Transaction Costs and the Breakdown of Separation - Fisher Separation Theorem - The Agency Problem - Maximization of Shareholder's Wealth.

### UNIT II - Theory of Uncertainty

Axioms of Choice Under Uncertainty - Utility Functions - Expected Utility Theorem - Certainty Equivalence - Measures of Risk-Absolute and Relative Risk Aversions - Stochastic Dominance-First Order, Second Order and Third Order - Measures of Investment Risk-Variance of Return - Semi-Variance of Return - Shortfall Probabilities.

### UNIT III - Portfolio Theory

Measuring Portfolio Return and Risks - Effect of Diversification, Minimum Variance Portfolio - Perfectly Correlated Assets - Minimum Variance Opportunity Set - Optimal Portfolio Choice - Mean variance Frontier of Risky and Risk-Free Asset - Portfolio Weights.

### UNIT IV - Index Models

Models of Asset Returns - Multi Index Models - Single Index Model - Systematic and Specific Risk - Equilibrium Models-Capital Asset Pricing Model - Capital Market Line - Security Market Line - Estimation of Beta - Arbitrage Pricing Theory.

### UNIT V - Fixed Income Securities

Bond Prices - Spot Prices - Discount Factors and Arbitrage - Forward Rates and Yield-To-Maturity - Price Sensitivity -Hedging.

**PRESCRIBED BOOKS:**

1. Copeland, T. E. and J. F. Weston(1992), Financial Theory and Corporate Policy, Addison Wesley.
2. Brealey, R. and Myers S (1997), Principles of Corporate Finance, fifth edition, New York, McGraw Hill.

**REFERENCE BOOKS:**

1. Roy E.Baiky: The Economics of Financial Markets, Cambridge University Press.
2. Jaksacvitanie and Zapatiro Fernando: Introduction to the Economics and Mathematics of Financial Markets, MIT Press.
3. Chris Jones (2008),Financial Economics, the Taylor & Francis Group.

**E –LEARNING RESOURCES:**

1. <https://www.worldscientific.com/worldscinet/afe>
2. <https://libraries.etsu.edu/research/guides/economicsandfinance/oerhttps://www.hrexaminer.com>
3. [https://www.teacheron.com/online-financial\\_economics-tutors](https://www.teacheron.com/online-financial_economics-tutors)



## **2. ECONOMICS OF NATURAL DISASTERS**

### **COURSE OBJECTIVES:**

- To enable the students to acquire knowledge relating to natural disaster and its impact on the economy also aware of natural hazards in the Economy.

### **UNIT I - Introduction**

The goal of disaster economic analysis- Important terminology-hazard, vulnerability, disaster, disaster risk, mitigation, preparedness, rehabilitation and reconstruction- Types of hazards - Natural hazards - Man made hazards.

### **UNIT II - Economic Effects of Disasters**

Direct effects-Indirect effects -Secondary effects- Consequences of disasters - measurement of consequence -Tangible losses - Intangible losses.

### **UNIT III - Disaster Risk Reduction and Mitigation**

Quantification of disaster risk: UNDP's Disaster Risk Index Components of disaster risk reduction –Role of market- Integrating disaster risk in poverty reduction strategy and incorporating disaster risk in economic appraisal- Vulnerability context - Source of Vulnerability - Tools for assessing hazard-induced Vulnerability - Vulnerability indicators- Mitigation of economic and human impact.

### **UNIT IV - Intervention Policies**

Differences in intervention for natural and human – made disasters Policy instruments for disaster intervention- Interventions for general multi – sectoral disasters - Disasters involving displaced populations - Disasters leading to food insecurity - Disaster expected from climate change.

### **UNIT V - Finance Options**

Debt swaps-Triangular food aid- Disaster insurance- Revolving funds - Central bank assistance.

**PRESCRIBED BOOKS:**

1. [Suman Kumari Sharma](#), and [Euston Quah](#), Economics of Natural Disasters, World Scientific
2. [Debarati Guha-Sapir](#) and [Indhira Santos](#) (2013) The Economic Impacts of Natural Disasters, OUP USA; Illustrated edition

**REFERENCE BOOKS:**

1. Ahmad, Ayaz: (2003), Disaster Management, (Anmol Publications. New Delhi).
2. Ghosh, G.K: (2007), Disaster Management; Saujanya Books, New Delhi.

**E-LEARNING RESOURCES:**

1. <https://www.journals.uchicago.edu/doi/full/10.1093/reep/rez004>
2. <https://www.ifo.de/DocDL/forum2-10-focus2.pdf>
3. <https://elibrary.worldbank.org/doi/abs/10.1596/1813-9450-5507>

### **3. MARITIME ECONOMICS**

#### **COURSE OBJECTIVES:**

- To provide an understanding on the knowledge of Maritime Economics and examine the history of Maritime Shipping and understand the trends.

#### **UNIT I - Basic Concepts of Maritime Economics**

Meaning-Nature- Scope and Importance- Challenges of Maritime Economics - Basic Analytics and Economic Concepts: Time Value of Money - Decision Making and Risks.

#### **UNIT II - Demand and Supply**

Demand and Supply - law of Demand and Supply- Measures of Economic Activity - Derived Demand And Supply - Elasticity of Demand And Supply - Factors Influencing Demand and Supply.

#### **UNIT III - Maritime Shipping**

Maritime Shipping: Evolution- Characteristics - Importance Of Shipping -Factors Affecting Shipping Business - Composition Of The Shipping Industry- Shipping Conferences - Shipping Policies- Problems Of Maritime Shipping. Shipping Transports: Types - Challenges. Cargo: Types, Functions. Role of Maritime Shipping in India- Marine Insurance- Objectives and Features.

#### **UNIT IV - Maritime Trade Economy**

History of Maritime Trade - Basic Concepts of Maritime Trade- Principle of Sea Borne Trade- Relationship between International Trade & Domestic Trade Importance- Importance of Maritime Trade- WTO regulations & Roles of Global Trade- International Maritime Trade Laws.

#### **UNIT V - Trends in Maritime Economy**

Trends in maritime Economy: Impact on National Economy and World Economy- Maritime Industry in India - International Maritime Organization- Features- Functions - Recent Trends In Maritime Trade in Developing and Developed countries.

### **PRESCRIBED BOOKS:**

1. *Martin Stopford, Maritime Economics, Third Edition*, 2009, Routledge Publisher
2. *Wayne K. Talley, The Blackwell Companion to Maritime Economics*, 2012, Wiley-Blackwell Publisher

### **REFERENCE BOOKS:**

1. Jansson, J.O. & Shneerson, D. (1982): "The optimal ship size", *Journal of Transport Economics and Policy*, v. 16, n. 3, pp. 217-38.
2. Costas Grammenos, (2010) *The handbook of Marine time Economics and Books*, Routledge.
3. Elias Karakitsos and Lambros Varnavides (2014) *Maritime economics a Macroeconomic approach* palgrave Macmillan

### **E- LEARNING RESOURCES:**

1. <https://www.economist.com/business/2018/10/27/sulphuremissions-rules-for-shipping-will-worsen-global-warming> EY (2017): Repositioning Greece as a global maritime capital.
2. [https://www.ey.com/Publication/vwLUAssets/ey-shipping-survey-enshort/\\$FILE/Shipping\\_Survey\\_en\\_short.pdf](https://www.ey.com/Publication/vwLUAssets/ey-shipping-survey-enshort/$FILE/Shipping_Survey_en_short.pdf)
3. <https://mitpress.mit.edu/9780262100250/port-economics/>