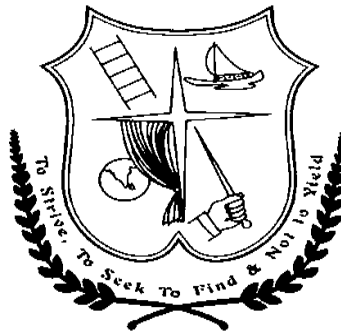


**ETHIRAJ COLLEGE FOR WOMEN**

**(AUTONOMOUS)**

**Chennai - 600 008**



**POST GRADUATE & RESEARCH**

**DEPARTMENT OF ECONOMICS**

**B. A. (ECONOMICS)**

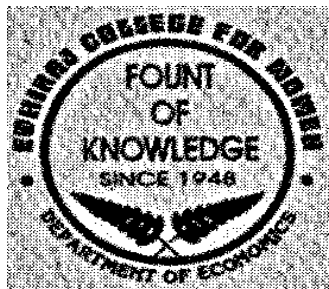
**M. A. (GENERAL & BUSINESS) ECONOMICS**

**M.Phil ECONOMICS**

**Syllabus**

**Choice Based Credit System**

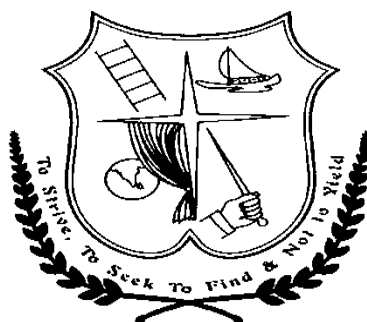
**(Offered from the Academic Year 2018-2019)**



**ETHIRAJ COLLEGE FOR WOMEN**

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**Chennai - 600 008**



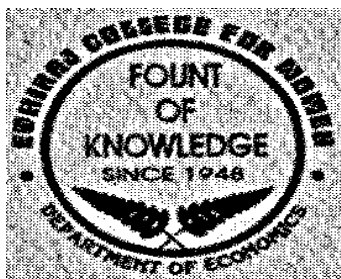
**POST GRADUATE & RESEARCH  
DEPARTMENT OF ECONOMICS**

**B. A. Economics**

**Syllabus**

**Choice Based Credit System**

**(Offered from the Academic Year 2018-2019)**



**DEPARTMENT OF ECONOMICS**  
**REVISED SYLLABUS OF JUNE 2018**

Department of Economics is revising syllabi with effect from the academic year 2018-2019 with CBCS and Part IV and Part V components as specified by the Government of Tamil Nadu. Part IV and Part V components will seek to build the capacity of the students and provide inputs for their social service and social analysis capabilities.

Every academic year is divided into two semester sessions. Each semester will have a minimum of 90 working days and each day will have 5 working hours. Teaching is organized into a modular pattern of credit courses. Credit is normally related to the number of hours a teacher teaches a particular subject. It is also related to the number of hours a student spends learning a subject or carrying out an activity.

**PREAMBLE**

The Department of Economics submits changes and additions suggested in the M.Phil, PG and UG curricula that are given in the ensuing pages.

- Reorganization of Courses in the UG programmes as specified by TANSICHE
- Modification of course content in courses based on employability of the students and the needs of the industries.
- Changes in the course title is based on revised contents of curricula.
- Introduction of new innovative skill based courses.

**REGULATIONS**

**1. ELIGIBILITY FOR ADMISSION:**

Candidates for admission to the first year of the Degree of **B.A. Economics** course shall be required to have passed the Higher Secondary Examinations conducted by the Government of Tamil Nadu or an Examination accepted as equivalent thereto by the Syndicate of the University of Madras.

## **2. ELIGIBILITY FOR THE AWARD OF DEGREE:**

A candidate shall be eligible for the award of the Degree only if she has undergone the prescribed course of study for a period of not less than three academic years and passed the examinations of all the six semesters prescribed.

## **3. COURSE OF STUDY:**

The main subject of study for Bachelor Degree shall consist of the following:

**PART I** : Foundation Courses exclusive for Languages

**PART II** : English

**PART III** : Core and Allied Courses.

**PART IV** : Non - Major Electives and Soft Skill Subjects.

**PART V** : Extension Activities /Sports /NCC/NSS/YRC/ROTRACT/CSS.

## **4. PASSING MINIMUM:**

A candidate shall be declared to have passed in each paper/practical of the main subject of study wherever prescribed, if she secured NOT LESS THAN 40% of the marks prescribed for the examination.

## **5. CLASSIFICATION OF SUCCESSFUL CANDIDATES:**

Part I, II, III & IV

Successful candidates passing the examination and securing the marks (i) 60 percent and above and (ii) 50 percent above but below 60 percent in the aggregate shall be declared to have passed the examination in the FIRST and SECOND class respectively. All other successful candidates shall be declared to have passed the examination in the THIRD class. Candidates who pass all the examinations (Part I, II, III and IV) prescribed for the course in the FIRST APPEARANCE ITSELF ALONE are eligible for ranking.

## 6. COURSE PROFILE:

SEM	PART	COUSE CODE	TITLE OF THE PAPER	CREDIT	CA	SE	T	
I	I		Tamil /Hindi/French/Sanskrit	3	40	60	100	
	II		Foundation English I	3	40	60	100	
	III	EC18/1C/MIE	Micro Economics	4	40	60	100	
	III	EC18/1C/BME	Basic Mathematics for Economics	4	40	60	100	
	III		Geography of India	5	40	60	100	
	III		Survey of Indian History	5	40	60	100	
	III	EC18/1A/BAY	Basic Accountancy	5	40	60	100	
	IV	EC18/1N/TNP	Training for Bank & TNPSC Examinations	2		50	50	
	IV		Soft Skill	3		50	50	
II	I		Tamil /Hindi/French/Sanskrit	3	40	60	100	
	II		Foundation English II	3	40	60	100	
	III	EC18/2C/MAE	Macro Economics	4	40	60	100	
	III	EC18/2C/CFE	Calculus For Economics	4	40	60	100	
	III		Geography of Tourism	5	40	60	100	
	III		Survey of Contemporary India	5	40	60	100	
	III	EC18/2A/MBI	Modern Banking and Insurance	5	40	60	100	
	IV	EC18/2N/QSI	Questionnaire and Social Issues	2		50	50	
	IV		Soft Skill	3		50	50	
III	I		Tamil /Hindi/French/Sanskrit	3	40	60	100	
	II		Foundation English III	3	40	60	100	
	III	EC18/3C/MOE	Monetary Economics	4	40	60	100	
	III	EC18/3C/SFE	Statistics for Economics	4	40	60	100	
	III	EC18/3A/RUE	Rural Economics	5	40	60	100	
	IV		Soft skill	3		50	50	
	IV		Environmental Science	2		50	50	
IV	I		Tamil /Hindi/French/Sanskrit	3	40	60	100	
	II		Foundation English IV	3	40	60	100	
	III	EC18 /4C/INE	International Economics	4	40	60	100	
	III	EC18/4C/BAE	Basic Econometrics	4	40	60	100	
	III	EC18/4A/URE	Urban Economics	5	40	60	100	
	IV		Soft Skill	3		50	50	
	IV		Value Education	2		50	50	
V	III	EC18/5C/DEI	Development of Economic Ideas	4	40	60	100	
	III	EC18/5C/IEY	Indian Economy	4	40	60	100	
	III	EC18/5C/OPR	Operations Research	4	40	60	100	
	III	EC18/5C/FIE	Fiscal Economics	4	40	60	100	
	Optional Elective	III	EC18/E1/HES	Health Economics	5	40	60	100
		III	EC18/E1/IDE	Industrial Economics	5	40	60	100
III		EC18/E1/POM	Principles of Marketing	5	40	60	100	
VI	III	EC18/6C/ENE	Environmental Economics	4	40	60	100	
	III	EC18/6C/TNE	Tamil Nadu Economy	4	40	60	100	
	III	EC18/6C/CAE	Computer Applications in Economics	4	40	60	100	
	III Mandatory Elective	III	EC18/E2/MNE	Managerial Economics	5	40	60	100
		III	EC18/E3/AGE	Agricultural Economics	5	40	60	100
			Extension Activity	1				
			<b>Total</b>	<b>140</b>				

### ALLIED SUBJECTS

Class	Code	Title	Credit	CA	SE	Total
I B. Com CS	EC18/1A/BUE	Business Economics	5	40	60	100
I B. Com CS	EC18/2A/ITR	International Trade	5	40	60	100
II B.Com (General)	EC18/3A/PRE	Principles of Economics	5	40	60	100
II B.Com(General)	EC18/4A/ ITE	International Economics	5	40	60	100
II B.A(History)	EC18/3A/INY	Indian Economy	5	40	60	100
II B.A(History)	EC18/4A/TNY	Tamil Nadu Economy	5	40	60	100

#### 7. TEMPLATE FOR EVALUATION PATTERN (Continuous Assessment):

S.No	Course Code	Course Title	Continuous Assessment				
			Test I	Test II	Assignment/ Seminar	Participatory Learning	Total
<b>SEMESTER I</b>							
1.	EC18/1C/MIE	Micro Economics	10	10	10	10	40
2.	EC18/1C/BME	Basic Mathematics for Economics	10	10	10	10	40
3.	EC18/1A/BAY	Basic Accountancy	10	10	10	10	40
<b>SEMESTER II</b>							
1	EC18/2C/MAE	Macro Economics	10	10	10	10	40
2	EC18/2C/CFE	Calculus For Economics	10	10	10	10	40
3	EC18/2A/MBI	Modern Banking and Insurance	10	10	10	10	40
<b>SEMESTER III</b>							
1.	EC18/3C/MOE	Monetary Economics	10	10	10	10	40
2.	EC18/3C/SFE	Statistics for Economics	10	10	10	10	40
3.	EC18/3A/RUE	Rural Economics	10	10	10	10	40

<b>SEMESTER IV</b>							
1	EC18/4C/INE	International Economics	10	10	10	10	40
2	EC18/4C/BAE	Basic Econometrics	10	10	10	10	40
3	EC18/4A/URE	Urban Economics	10	10	10	10	40
<b>SEMESTER V</b>							
1.	EC18/5C/DEI	Development of Economic Ideas	10	10	10	10	40
2.	EC18/5C/IEY	Indian Economy	10	10	10	10	40
3.	EC18/5C/OPR	Operations Research	10	10	10	10	40
4.	EC18/5C/FIE	Fiscal Economics	10	10	10	10	40
5	EC18/E1/HES	Health Economics	10	10	10	10	40
	EC18/E1/IDE	Industrial Economics	10	10	10	10	40
	EC18/E1/POM	Principles of Marketing	10	10	10	10	40
<b>SEMESTER VI</b>							
1	EC18/6C/ENE	Environmental Economics	10	10	10	10	40
2	EC18/6C/TNE	Tamil Nadu Economy	10	10	10	10	40
3	EC18/6C/CAE	Computer Applications in Economics	10	10	10	10	40
4	EC18/E2/MNE	Managerial Economics	10	10	10	10	40
5	EC18/E3/AGE	Agricultural Economics	10	10	10	10	40

**ALLIED: CORPORATE SECRETARYSHIP (I YEAR)  
HISTORY AND COMMERCE (II YEAR)**

S.No	Departments	Course Code	Course Title	Continuous Assessment				Total
				Test I	Test II	Assignment/ Seminar	Participatory Learning	
1	I B. Com CS	EC18/1A/BUE	Business Economics	10	10	10	10	40
2	I B. Com CS	EC18/2A/ITR	International Trade	10	10	10	10	40
3	II B.Com (General)	EC18/3A/PRE	Principles of Economics	10	10	10	10	40
4	II B.Com (General)	EC18/4A/ITE	International Economics	10	10	10	10	40
5	II B.A (History)	EC18/3A/INY	Indian Economy	10	10	10	10	40
6	II B.A (History)	EC18/4A/TNY	Tamil Nadu Economy	10	10	10	10	40

### 8. PATTERN FOR CONTINUOUS ASSESSMENT:

Test I	2 hrs	50 Marks	CA 10 Marks (converted)
Test II	2 hrs	50 Marks	10 Marks (converted)
Assignment/ Seminar/ Field Visits			10 Marks
Participatory Learning			10 Marks
Total			40 Marks

### 9. RUBRICS FOR CONTINUOUS ASSESSMENT EVALUATION:

<b>Assignment</b>	Contents/ Originality/ Presentation/ Schematic Representation and Diagram/ Bibliography
<b>Seminar</b>	Organization/ Subject Knowledge/ Visual Aids/ Confidence Level/ Presentation
<b>Participatory</b>	Answering Questions/ Clearing Doubts/ Participation in Discussion/ Attendance/ Communication and Language
<b>Problem Solving</b>	Understanding Concept/ Formula and Variable Identification/ Logical Sequence/ Answer
<b>Field Trip</b>	Participation/ Preparation/ Attitude/ Leadership
<b>Case Study</b>	Finding the Problem/ Analysis/ Solution/ Justification

### 10. NON MAJOR ELECTIVES:

Semester	Code	Title
I	EC18/1N/ TNP	Training for Bank and TNPSC Examinations
II	EC18/2N/ QSI	Questionnaire and Social Issues



**UG ECONOMICS****SEMESTER I**

Core	Course Code	Course Title	Hours	Credits	CA	Sem	Total
Part I		Language	6	3	40	60	100
Part II		English	4	3	40	60	100
Core: 1	EC18/1C/MIE	Micro Economics	5	4	40	60	100
Core: 2	EC18/1C/BME	Basic Mathematics for Economics	5	4	40	60	100
Allied I		Geography of India	6	5	40	60	100
Allied I		Survey of Indian History	6	5	40	60	100
Allied I	EC18/1A/BAY	Basic Accountancy	6	5	40	60	100
Non Major Elective	EC18/1N/TNP (For Other Dept Students)	Training for Bank and TNPSC Examinations	2	2		50	50
Soft Skill	Soft Skill		2	3		50	50
	Total		30	24			

**SEMESTER II**

Core	Course Code	Course Title	Hours	Credits	CA	Sem	Total
Part I		Language	6	3	40	60	100
Part II		English	4	3	40	60	100
Core: 3	EC18/2C/MAE	Macro Economics	5	4	40	60	100
Core: 4	EC18/2C/CFE	Calculus For Economics	5	4	40	60	100
Allied II		Geography of Tourism	6	5	40	60	100
Allied II		Survey of Contemporary India	6	5	40	60	100
Allied II	EC18/2A/MBI	Modern Banking and Insurance	6	5	40	60	100
Non Major Elective	EC18/2N/QSI (For Other Dept. Students)	Questionnaire and Social Issues	2	2		50	50
Soft Skill	Soft Skill		2	3		50	50
	Total		30	24			

### SEMESTER III

Core	Course Code	Course Title	Hours	Credits	CA	Sem	Total
Part I		Language	6	3	40	60	100
Part II		English	4	3	40	60	100
Core: 5	EC18/3C/MOE	Monetary Economics	5	4	40	60	100
Core: 6	EC18/3C/SFE	Statistics for Economics	5	4	40	60	100
Allied: 3	EC18/3A/RUE	Rural Economics	6	5	40	60	100
Soft Skill			2	3		50	50
	Part IV	Environmental Science	2	2		50	50
	Total		30	24			

### SEMESTER IV

Core	Course Code	Course Title	Hours	Credits	CA	Sem	Total
Part I		Language	6	3	40	60	100
Part II		English	4	3	40	60	100
Core: 7	EC18 /4C/ INE	International Economics	5	4	40	60	100
Core: 8	EC18/4C/BAE	Basic Econometrics	5	4	40	60	100
Allied: 4	EC18/4A/URE	Urban Economics	6	5	40	60	100
Soft Skill			2	3		50	50
Part IV		Value Education	2	2		50	50
	Total		30	24			

### SEMESTER V

Core	Course Code	Course Title	Hours	Credits	CA	Sem	Total
Core 9	EC18/5C/DEI	Development of Economic Ideas	6	4	40	60	100
Core10	EC18/5C/IEY	Indian Economy	6	4	40	60	100
Core11	EC18/5C/OPR	Operation Research	6	4	40	60	100
Core12	EC18/5C/FIE	Fiscal Economics	6	4	40	60	100
Elective 1	EC18/E1/HES	Health Economics	6	5	40	60	100
	EC18/E1/IDE	Industrial Economics	6	5	40	60	100
	EC18/E1/POM	Principles of Marketing	6	5	40	60	100
	Total		30	21			

### SEMESTER VI

Core	Course Code	Course Title	Hours	Credits	CA	Sem	Total
Core13	EC18/6C/ENE	Environmental Economics	6	4	40	60	100
Core14	EC18/6C/TNE	Tamil Nadu Economy	6	4	40	60	100
Core15	EC18/6C/CAE	Computer Applications in Economics	6	4	40	60	100
Elective 2	EC18/E2/MNE	Managerial Economics	6	5	40	60	100
Elective 3	EC18/E3/AGE	Agricultural Economics	6	5	40	60	100
	Total		30	22			
		Extension Activity		1			
		<b>Total</b>		<b>140</b>			

### ALLIED SUBJECTS

<b>Class</b>	<b>Code</b>	<b>Title</b>	<b>Hours</b>	<b>Credits</b>	<b>CA</b>	<b>Sem</b>	<b>Total</b>
I B. Com CS	EC18/1A/BUE	Business Economics	6	5	40	60	100
I B. Com CS	EC18/2A/ITR	International Trade	6	5	40	60	100
II B.Com (General)	EC18/3A/PRE	Principles of Economics	6	5	40	60	100
II B.Com (General)	EC18/4A/ ITE	International Economics	6	5	40	60	100
II B.A (History)	EC18/3A/INY	Indian Economy	6	5	40	60	100
II B.A (History)	EC18/4A/TNY	Tamil Nadu Economy	6	5	40	60	100

## SEMESTER - I

### MICRO ECONOMICS

Teaching Hours : 75

Credits: 4

Course Code : EC18/1C/MIE

LTP : 3/2/0

#### COURSE OBJECTIVES AND OUTCOME:

- To expose the students to the basic concepts in Micro Economic theory.
- To enrich the students to understand various market structures.
- To help the students to apply Micro Economic concepts in real life situations.

#### COURSE OUTLINE:

**UNIT I:** Definitions – Scope and Methods of Economics – Scarcity and Choice – Economic Problems - Basic Competitive Model – Prices, Property rights and Profits.

(10hrs)

**UNIT II:** Individual Demand – Determinants of Demand – Derivation of Market Demand – Shifts in Demand – Supply – Determinants of Supply – Shifts in Supply – Concept of Elasticity and its Application - Consumer's Surplus – Producer's Surplus.

(15hrs)

**UNIT III:** Indifference Curve – Properties, Derivation of Demand curve – Nobel laureate John Hicks (1972) – Income, Substitution and Price effects (Hicks) – Nobel laureate Paul Samuelson (1970) – Revealed Preference Theory.

(15hrs)

**UNIT IV:** Perfect Competition – Equilibrium of the Firm in Short Run and Long Run – Price & Output Determination – Monopoly – Short Run and Long Run Price & Output – Price Discrimination – Remedies for Monopoly – Antitrust Laws , Natural Monopoly.

(20hrs)

**UNIT V:** Monopolistic Competition – Price & Output Determination – Oligopoly – Assumptions – Sweezy model – Theory of Factor Pricing – Marginal Productivity Theory – Collective Bargaining.

(15hrs)

**BOOKS FOR REFERENCE:**

1. H.L.Ahuja, Principles of Micro Economics, S. Chand & Company ltd, New Delhi 2016.
2. Joseph E.Stiglitz and Carl E. Walsh, Economics, Norton Company, Inc, New York, International Student Edition, 4<sup>th</sup> edition, 2007.
3. Karl E.Case and Ray C. Fair, Principles of Economics, Pearson Education, Inc, edition, 2007.
4. Koutsoyiannis .A ; Modern Micro Economics Macmillan Press 2013.
5. N. Gregory Mankiw, Economics: Principles and Applications, India edition by South Western, Cengage Learning India Private Limited, 8<sup>th</sup> edition, 2016.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>>el.

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts.	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units

**SEMESTER I**  
**BASIC MATHEMATICS FOR ECONOMICS**

**Teaching Hours: 75**

**Credits : 4**

**Course Code: EC18/1C/BME**

**LTP :3/2/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To understand Fundamental tools of Mathematics and its Application in Economics.
- To prove Economic relationships mathematically.

**COURSE OUTLINE:**

**UNIT I:** Introduction to Elementary Mathematics - Equations (Linear and Quadratic) - Simultaneous Equations - Functions, Linear- Quadratic-Cubic-Exponential- Logarithmic Functions- Graph-Slope and Intercept of a Function-Simple Applications of Functions in Economics: Derivation of Linear Demand and Supply Functions- Calculation of Market Equilibrium-(Single Product, Two Products and Three Products Market – Equilibrium Price and Quantity).  
(15hrs)

**UNIT II:** Fundamentals of Matrix Algebra : Definition and Terms – Basic Operations in Matrices – Laws in Matrix Algebra – Matrix Expression of a set of Linear Equations, Transformation - Elementary Row Operations – Augmented Matrix – Normal Form of a Matrix – Row Echolen Form – Gaussian Method of Solving Linear Equations.  
(15hrs)

**UNIT III:** Determinants - Non Singularity and Inverse - Properties – Singular, Non-singular Matrix – Minors and Cofactors – Transpose of a Matrix - Adjoint Matrix – Rank of Matrix \_ Properties of Rank, Inverse Matrices – Properties of Inverse – System of Equations with Inverse – Cramer’s rule – Characteristic Equations – Eigen values.  
(15hrs)

**UNIT IV:** Input-Output Model: Leontief Static model – Open and Closed – Hawkins and Simon conditions - Solution to Open Model – Price system in Leontief Model.  
(10hrs)

**UNITV:** Elements of Game Theory: Basic Concepts – Two Person Zero Sum Game – Saddle Point – Mixed Strategies – Dominance-Mathematical Formulations in Simple Cases and their Solutions.  
(20hrs)



**BOOKS FOR REFERENCE:**

1. Edward T. Dowling, Theory and Problems of Mathematics for Economics, Schaum's Outline Series, McGraw Hill, New York, 2012.
2. Frank Ayres, Matrices, Schaum's Outline Series 1990.
3. Introduction to Mathematical Economics, 2<sup>nd</sup> Edition, 1992.
4. Joan E. Weber, Mathematical Analysis, Herper International 4<sup>th</sup> Edition, Cambridge, 1982.
5. Mehta and Madnani, Mathematics for Economics, Sultan Chand, 9<sup>th</sup> Edition New Delhi 2014.
6. Schaum's Outlines of Linear Algebra Mc.Graw Hill Education 2017.
7. Seymour Lipschutz, Linear Algebra, Schaum's Outline Series 3<sup>rd</sup> Edition, 2017.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://elearneconomics.com>
2. [elearning.ec.unipi.gr](http://elearning.ec.unipi.gr)>elearning

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts.	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units

**Questions to be included from all units for section A and B Questions should be 80% problems and 20% theory.**

**SEMESTER – I**  
**BASIC ACCOUNTANCY**

**Teaching Hours : 90**

**Credits: 5**

**Course Code: EC18/1A/BAY**

**LTP: 3/ 3/ 0**

**COURSE OBJECTIVES AND OUTCOME:**

- To enable the students to understand the Basic Accounting Concepts.
- To help the students to source and rectify errors and prepare Bank Reconciliation Statement.
- To analyse and interpret financial reports.

**COURSE OUTLINE:**

**UNIT I:** Accounting - Definition – Objectives – Functions- Advantages and Disadvantages- Single Entry Book Keeping and Double - Entry Book Keeping.

(10hrs)

**UNIT II:** Journal – Ledger- Subsidiary book- Cash Book- Trial Balance- Meaning- Methods of preparation- Errors- Classification of Errors- Rectification of Errors.

(20hrs)

**UNIT III:** Final Accounts- Preparation of Trading- Profit and Loss Account- Balance Sheet (Simple Adjustments).

(20hrs)

**UNIT IV:** Bank Reconciliation Statement- Need, Meaning- Method of Preparation of Bank Reconciliation Statement.

(20hrs)

**UNIT V:** Introduction to Accounting Package- Introduction to Tally- Features, Advantage, Defining the Cells, Format the Data, Entering Data, Functional Keys and Simple Calculation- Excel- Features, Advantages, defining the Cell Range, Functional Keys, Entering the Data, Defining the functions and Simple calculations(Theory only for exams).

(20hrs)

**BOOKS FOR REFERENCE:**

1. M.C.Shukla, T.S. Grawal and S.C. Gupta- Advanced Account- S. Chand and Company, New Delhi 2016.
2. MukeshMahajan, P .S.Gills, V.P.Sharma and H.S.Punia, Fundamentals of Accountancy Unistar Books, Chandigarh 2001.
3. Reddy. T.S and Hari Prasad Reddy. Y- Financial and Management Accounting, Margham Publication Chennai 2013.
4. Reddy .T.S Murthy- Financial Accounting, Margham Publication Chennai 2012.
5. Sundeepsharma, Principles of Accounting, Shree Niwas Publication, Jaipur, 2004.

**WEBSITES AND e-LEARNING SOURCES:**

1. <http://www.coursera.org/learn/economics>
2. <http://www.springboard.com>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts.	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

**Questions to be included from all units for section A and B. Questions should be 80% problems and 20% theory.**

**NON MAJOR ELECTIVE - I**

**SEMESTER –I**

**TRAINING FOR BANK AND TNPSC EXAMINATIONS**

**Teaching Hours: 30**

**Credits: 2**

**Course Code: EC18/IN/TNP**

**LTP: 1/1/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To enable the students to equip themselves in Current Affairs, Quantitative Aptitudes and Reasoning to face TNPSC Exams.

**COURSE OUTLINE:**

**UNIT I:** General Knowledge- Current Affairs (Objective Type) – History (Ancient Medieval & Modern) – Geography (International and India) – Economics (GDP – Population – Poverty – Employment) - Quantitative Aptitude – Arithmetic Ability – Basics, Problems on Number – Ages – Percentage – Ratio, Profit & Loss – Time and Distance – Interest – Trains Clocks Calendar. (Objective Type).

(10hrs)

**UNIT II:** Verbal Reasoning – General Mental Ability- Logical Reasoning – Non-Verbal Reasoning - Analytical Reasoning (Objective Type).

(10hrs)

**UNIT III:** Current Issues – News Papers (The Hindu, the Indian Express, Times of India) Magazines (India Today, Business Today).

(10hrs)

**BOOKS FOR REFERENCE:**

1. Edgar Thorpe & Showick Thorpe General Knowledge Manual 2018.
2. Competitive Success 2018.
3. Manorama Year Book 2018.
4. R.S.Aggarwal,A Modern approach to Verbal and Non Verbal Reasoning. S. Chand and Company Ltd, 2017.
5. R.S.Aggarwal, Quantitative Aptitude. S. Chand and Company Ltd, 2014.
6. Twelfth Standard - NCERT.

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
	Answer all the Fifty Questions (50x 1=50 marks)	Objective types Questions	50 Marks



**SEMESTER – II**  
**MACRO ECONOMICS**

**Teaching Hours : 75**

**Credits : 4**

**Course Code : EC18/2C/MAE**

**LTP :3/2/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To trace the evolution of Macro Economic Theories.
- To enable the Students understand the theoretical framework of Macro Economics.
- To analyse the Macro Economic Policies.

**COURSE OUTLINE:**

**UNIT I:** Macro Economics and its scope –National Income concept – Green GNP – GNP, GDP, NNP, NI, PI, and DPI – Methods of estimating of National Income, Difficulties in the estimation of National Income - Uses of National Income Analysis – Social Accounting.

(15hrs)

**UNIT II:** Classical Macro Economics – Say’s Law of Market – Wage-Price Flexibility – Classical Model of Output and Employment – Keynesian Revolution – Principles of Effective Demand –Keynes Theory of Employment – Underemployment Equilibrium – Wage-Price Rigidity.

(15hrs)

**UNIT III:** Consumption Function – Fundamentals of Psychological Law of Consumption – APC and MPC, Saving Function - APS and MPS – Absolute Income Hypothesis, Relative Income Hypothesis, Permanent Income Hypothesis & Life Cycle Income Hypothesis.

(15hrs)

**UNIT IV:** Investment Function - MEC - MEI – Multiplier – Acceleratory Theory – Interaction of Multiplier and Accelerator.

(15 hrs)

**UNIT V:** Integration of Monetary and Real Sectors -IS & LM, (Hicks & Hansen Synthesis) – Baumol’s Inventory Theory – Tobin’s Portfolio Selection Theory.

(15 hrs)

**BOOKS FOR REFERENCE:**

1. Andrew B. Abel and Ben S. Bernanke, *Macroeconomics*, Pearson Education, Inc., 7<sup>th</sup> Edition, 2011.
2. Dusenberry J.S., *Income, Saving and the Theory of Consumer Behaviour*, Harvard, 1949.
3. Dusenberry J.S., *Income, Saving and the Theory of Consumer Behaviour*, Harvard, 1949.
4. Errol D'Souza, *Macroeconomics*, Pearson Education, 2009.
5. Keynes J.M., *The General Theory of Employment, Interest and Money*, Macmillan, London, 1936.
6. Oliver Blanchard, *Macroeconomics*, Worth Publishers, 7<sup>th</sup> Edition, 2010.
7. Powellson J.P., *National Income and Flow of Fund Analysis*, McGraw Hill, New York, 1960.
8. Shapiro, E. *Macroeconomic Analysis*, Galgotia Publications, New Delhi, 1996.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://elearneconomics.com>
2. <https://ocw.mit.edu>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts.	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units

**SEMESTER II**  
**CALCULUS FOR ECONOMICS**

**Teaching Hours: 75**

**Credits: 4**

**Course Code: EC18/2C/CFE**

**LTP: 3/2/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To enable good understanding of Economic Relationship Mathematically.
- To equip students with basic knowledge to apply Mathematical tools to Economic Theories.

**COURSE OUTLINE:**

**UNIT I:** Limits and Continuity – Differentiability of a function – Slope of a Curve – Increasing and Decreasing function – Simple Rules of Differentiation- Application of Differentiation in Economics– Calculation of Marginal Cost, Average Cost, Marginal Revenue, and Average Revenue from their respective Total Cost And Revenue Functions– Elasticity - types of Elasticity– Calculation of Price– Income Elasticity and Cross(Partial) Elasticity of Demand-Substitutes and Compliments- Relationship between AR,MR, and Price Elasticity of Demand – Relationship Between Average and Marginal Cost.  
(15hrs)

**UNIT II:** Second Order Derivatives – Convex and Concave Functions – Maximization and Minimization of a Function – Economic Applications – Output, Sales, Revenue Maximization - Profit Maximization under Perfect Competition, Monopoly, Discriminating Monopoly etc., Cost Minimization.  
(15hrs)

**UNIT III:** Partial Derivatives – Second Order Partial Derivatives – Rules – Total Derivatives – Implicit Function - Economic Applications – Marginal Productivity – Partial Elasticity – Production Function – Homogeneous and Non – Homogeneous – Euler’s Theorem – Cobb-Douglas – CES Production Function.  
(15hrs)

**UNIT IV:** Optimization with Two Variables: Output-Revenue and Profit Maximization Under Perfect Competition – Monopoly – Discriminating Monopoly - Constrained optimization - Lagrangian multiplier- Necessary and sufficient conditions for Consumer Equilibrium-Numerical problems of Utility Maximization and Production Maximization.  
(15hrs)

**UNIT V:** Rules of Integration – Integration by substitution –Definite Integrals – Properties of Definite Integrals – Economic Applications – Derivation of Total Function (Total Revenue, Cost, Utility) from the Marginal function – Consumer’s Surplus and Producer’s Surplus.  
(15hrs)

**BOOKS FOR REFERENCE:**

1. Carl P Simon & Lawrence E. Blume Mathematics for Economists, 2010.
2. Chiang A.C., Fundamental Methods of Mathematical Economics, McGraw Hill, New York 2005.
3. Edward T Dowling, Schaum's Outline of Introduction to Mathematical Economics, 3<sup>rd</sup> Edition McGraw Hill Publication 2011.
4. Edward T. Dowling, Theory and Problems of Mathematics for Economists, Schaum's Outline Series, McGraw Hill, New York 1980.
5. Jean E. Weber, Mathematical Analysis, Business and Economics Applications, Harper International Edition, Cambridge March 1, 1982.
6. Laurence D. Hoffmann, Gerald L. Bradley, Calculus for Business Economics and the Social and Life Science, McGraw Hill, New York brief Edition 2005.
7. Mabbet, A.J., Workout Mathematics for Economists, Mac Millan Master Series, 4<sup>th</sup> Edition London 1986.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://academicearth.org/economics>
2. <https://rescuoc.edu/>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts.	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

**Questions to be included from all units for section A and B. Questions should be 80% problems and 20% theory.**

## SEMESTER – II

### MODERN BANKING AND INSURANCE

Teaching Hours : 90

Credits: 5

Course Code: EC18/2A/MBI

LTP: 3/3/0

#### COURSE OBJECTIVES AND OUTCOME:

- To help students understand Modern Banking practices.
- To enrich the students with recent trends in Banking and Insurance.

#### COURSE OUTLINE:

**UNIT I:** Brief History of Banking – Types of Banks - Unit Banking – Branch Banking – Commercial Banks – Development Banks IFCI, IDBI and SFC, Multi National Bank and its functioning in India.

(20hrs)

**UNIT II:** Recent Trends in Banking – Adoption of Technology – e Banking – Internet Banking – Debit Card – Credit Card – ATM – EFTS – RTGS- NEFT- IMPS – Tele Banking – Social Banking – Banking Ombudsman.

(15hrs)

**UNIT III:** New Trends in Banking – MUDRA Banks – Bank Mergers and Acquisitions – Financial Inclusion – New Reforms in Banking Sector.

(15hrs)

**UNIT IV:** Insurance – Definition, Nature, Evolution, Principle, Kinds – Types of Insurance Risk and Uncertainty – Need for Security against Economic Difficulties – Risk Management Process – Risk and Uncertainty – Need for Security against Economic Difficulties – Risk Management Process – Risk Management and Insurance.

(20hrs)

**UNIT V:** Life Insurance – Kinds of Policies – Term Insurance – Whole Life – Endowment – Annuities – Surrender – Revival – Loans and Claims – Kinds of Policies - Conditions – Settlement of Claims – Personal Accident Insurance – Mediclaim – Burglary Insurance- Motor Insurance – Wire Transfer.

(20hrs)

**BOOKS FOR REFERENCE:**

1. F.J.Fabozzi, F.Modigliani, F.J.Jones, M.G.Ferri, Foundations of Financial Markets and Institutions, Pearsons Education, 3<sup>rd</sup> Edition, 2009.
2. F.S.Mishkin and S.G.Eakins, Financial Markets and Institutions, Pearson Education, 6<sup>th</sup> edition, 2009.
3. L.M.Bhole and Mahukud, Financial Institutions and Markets, Tata McGraw Hill, 5<sup>th</sup> Edition, 2011.
4. M.Y.Khan, Indian Financial System, Tata McGraw Hill, 7<sup>th</sup> Edition, 2011.
5. Various latest issues of RBI Bulletins, Reports on Currency and Finance and Reports of the Working Group, IMF Staff Papers.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://ocw.mit.edu>
2. <https://www.edn.org>



**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts.	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

**Non Major Elective – II**

**SEMESTER - II**

**QUESTIONNAIRE AND SOCIAL ISSUES**

**Teaching Hours : 30**

**Credits: 2**

**Course Code : EC18/2N/QSI**

**LTP: 1/1/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To enhance the student's skills in framing the questionnaire and its application in Social Issues.

**COURSE OUTLINE:**

**UNIT I:** Statistical Survey – Census and Sampling – Types of Sampling – Sources of Data- MOSPI- CSO- NSSO.

(10hrs)

**UNIT II:** Questionnaire - Types - Framing a questionnaire–Pilot Survey- Difference between Survey and Questionnaire- types of Survey- Social Issues – Sample Questionnaire.

(10hrs)

**UNIT III:** Derivation of Analytical Tables – Drawing Inferences – Report Writing.

(10hrs)

**BOOKS FOR REFERENCE:**

1. Bhattarya S.K., 1990, Methodology in Research.
2. Young Pauline V, 1977, Scientific Social Surveys and Research, Prentice Hall of India, New Delhi.
3. Feber and Verdorn, Research Methods in Economics and Business (2005).

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer any ten out of twelve (10x 5=50 marks)	Application / Analysis / Synthesis / Evaluation	50 Marks

Part A : Definition and Descriptions 12 questions, at least two from each unit.

**SEMESTER –I**  
**BUSINESS ECONOMICS**

**Class : I B.com (C.S)**

**Teaching Hours: 90**

**Credits: 5**

**Course Code : EC18/1A/BUE**

**LTP: 3/3/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To enable the students to understand basic concepts and theories of Business Economics.
- To gain knowledge about the market structures and different types of pricing.
- To understand the basic concepts of Inflation and Business cycle.

**COURSE OUTLINE:**

**UNIT I:** Definition – Scope- Methods of Business Economics- Significance of Business Economics.

(15hrs)

**UNIT II:** Demand Analysis – Elasticity – Measures- Types of Elasticity-Price-Income and Cross Elasticity-Importance of Elasticity of Demand.

(20hrs)

**UNIT III:** Market Structure-Perfect Competition - Monopoly - Discriminating Monopoly – Monopolistic Competition - Bilateral Monopoly- Oligopoly.

(20hrs)

**UNIT IV:** Pricing Methods – Full Cost Pricing – Target Pricing – Going Rate Pricing – Differential Pricing – Pricing over the Life Cycle of Product – Pricing by Manufacturers and Retailers – Specific Pricing – Dual Pricing – Mark-up Pricing.

(15hrs)

**UNIT V:** Inflation – Deflation – Causes – Remedies – Types - Slump Inflation- Asset Inflation and Core Inflation — Stagflation – Business cycle –Phillips Curve- Phases.

(20hrs)

**BOOKS FOR REFERENCE:**

1. A.C. Gupta Business Economics Rawat Publication 2003.
2. Ahuja & Vaish., Modern Micro Economic Theory, Margham Publications, Chennai, 2001.
3. Dr.H.L. Ahuja, Principles of Micro Economics, S.Chand and Company Ltd, 2002.
4. Dwivedi D.N, Essential of Business Economics, Peasant Pub Ltd.,2010.
5. Jhingan M.L., Monetary Economics, Konark Pub. Pvt Ltd., New Dehi, 2014.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>el>.

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts.	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application /Analysis / Synthesis / Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

**SEMESTER –II**  
**INTERNATIONAL TRADE**

**Class : I B.com (C.S)**

**Teaching Hours: 90**

**Credits: 5**

**Course Code: EC18/2A/ITR**

**LTP: 3/3/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To understand the Economic factors behind the theories of International Trade.
- To help the students gain knowledge about Trade relationships between Countries.
- To study the various International Trade Institutions.

**COURSE OUTLINE:**

**UNIT I:** Trade – Inter-Regional and International Trade – Gains from Trade –Potential and Actual Gain – Factors determining Gains from Trade -Trade Policy – Free Trade – Protection – Globalisation.

(20hrs)

**UNIT II:** Theories of International Trade – Mercantilism - Adam Smith (Absolute Advantage) – David Ricardo (Comparative Advantage) – Nobel Laureate Heckscher - Bertil Ohlin theory (Factor Endowment Theory) – Raymond Vernon (Product Life Cycle Theory) – Porter’s Diamond Theory (National Competitive Advantage Theory).

(15hrs)

**UNIT III:** Exchange Rate – Fixed Vs Flexible – Exchange Control – Objectives – Methods- Balance of Trade and Balance of Payments – Current Account and Capital Account – Disequilibrium – Remedies.

(20hrs)

**UNIT IV:** Tariff - Meaning, types - Quotas - meaning, Types – Dumping – Non –Tariff Barriers- MNC’s and Trade – Working and Regulation of MNC’s in India.

(15hrs)

**UNIT V:** Trade and Development – Economic Integration – Meaning – Types – IMF- World Bank – ADB – GATT – WTO- G20- European Bank for Reconstruction and Development- BREXIT.

(20hrs)



**BOOKS FOR REFERENCE:**

1. Bosodersten, International Economics, Macmillan Publishing Pvt. Ltd, Mumbai, 1994.
2. International Economics Theory and Policies Paul Krugman Maurice Obstfeld Mare Melitz 2017.
3. M.L. Jhingan., International Economics, Macmillan Publishing Pvt. Ltd, Mumbai, 2016.
4. Mithani. D.M., Introduction to International Economics. Boras Publishing Pvt. Ltd., New Dehi, 2012.
5. Radha. V, International Trade, Prasanna Publishers, Chennai, 2002.
6. Vaish M.C. International Economics, Oxford and IBM Publishing Comp., 2010.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://academicearth.org/economics>
2. <https://rescuoc.edu/>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts.	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

## SEMESTER -III

### MONETARY ECONOMICS

**Teaching Hours: 75**

**Credits: 4**

**Course Code : EC18/3C/MOE**

**LTP:3/2/0**

#### **COURSE OBJECTIVES AND OUTCOMES:**

- To enable the students to understand the concept and importance of Money.
- To help the students to know the theoretical and empirical dimensions of Monetary System.

#### **COURSE OUTLINE:**

**UNIT I:** Evolution of Money – Functions of Money – Circular Flow of Money – Monetary Standard – Gold Standard – Bimetallism – Gresham’s Law – Paper Currency – Principles and Methods of Note Issue – High Powered Money – Euro Dollar – Crypto Currency.

(15hrs)

**UNIT II:** Demand for Money – Fisher’s Transaction Approach – Cash Balance Approach– Keynesian Liquidity Preference Theory – Real Balance Effect – Noble Laureate Milton Friedman (1976) – Reformulated Quantity Theory of Money.

(15hrs)

**UNIT III:** Central Bank – Functions – Implementation of Basel Norms – Capital Adequacy Ratio – Role of RBI – Demonetisation and its Impact.

(15hrs)

**UNITIV:** Commercial Banking – Types – Functions – Credit Creation – Balance Sheet Analysis – Financial Indicators – Current Ratio / Liquidity Ratio – Debt – Equity Ratio – Tangible Net Worth, Operative Income – Return on Investment, Assets - Mobile Banking.- Introduction to Bankruptcy - Insolvency Code Act - NPAs

(15hrs)

**UNIT V:** Inflation and Deflation– Causes – Types - Core Inflation - Slump Inflation – Asset Inflation – Effects - Measures to control- Stagflation - Trade Cycles – Phases – Hicks and Keynesian Theories of Trade Cycles.

(15hrs)

**BOOKS FOR REFERENCE:**

1. Friedman.M, Studies in the Quantity theory of Money, The University of Chicago Press, Chicago, 1956.
2. Gold field and Chandler, the Economics of Money and Banking, Harper and Row, New York, 2001.
3. Laidler D.E.W., Demand for Money: Theory and Evidence, Dum-Don Valley, New York, 2006.
4. R.R. Paul Advanced Monetary Economics 2013.
5. W.T. Newlyn, Theory of Money, Clarendon Press, Oxford, 1971.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
2. <https://ocw.mit.edu>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts.	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

## SEMESTER – III

### STATISTICS FOR ECONOMICS

**Teaching Hours: 75**

**Credits : 4**

**Course Code : EC18/3C/SFE**

**LTP : 3/2/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable the students to understand the application of statistical tools in Economic analysis.
- To prepare students for further courses involving quantitative components.

#### **COURSE OUTLINE:**

**UNIT I:** Statistics – Measures of Central Tendency – Measures of Dispersion – Standard Deviation - Correlation – Types of Correlation – Karl Pearson’s Coefficient – Rank Correlation – Regression – Regression lines.  
(15hrs)

**UNIT II:** Index Numbers – Methods – Consumer Price Index, Wholesale Price Index.  
(15hrs)

**UNIT III:** Association of Attributes– Introduction- Uses of Terms and Notations – Consistency of Data- Methods - Yules Coefficient of Association.  
(15hrs)

**UNIT IV:** Probability- Addition and Multiplication Theorems– Bayes Theorem – Theoretical Distributions – Binominal Poisson and Normal.  
(15hrs)

**UNIT V:** Hypothesis Testing – Concepts – Level of Significance – Error in Testing – t-test – Paired t-test – Chi-Square test, F-test – Analysis of Variance – One way and Two way ANOVA.  
(15hrs)

**BOOKS FOR REFERENCE:**

1. Dr.T.K.V. Iyengar, Dr.B.Krishna Gandhi S.Ranganantham, Dr.M.V.S.S.N Prasad – Probability and Statistics S.Chand and Co., 2015.
2. R.S.N.Pillai and V. Bagavathi, Statistics, Sultan Chand and Sons, New Delhi 2010.
3. S.C.Gupta and V.K. Kapoor Fundamentals of Mathematical Statistics – Sultan Chand and Sons 2014.
4. S.C.Gupta Fundamentals of Statistic Himalaya Publishing House Pvt. Ltd, 2016.
5. S.P.Gupta, Statistical Method, Sultan Chand and Sons, New Delhi 2017.
6. Sancheti D.C and Kapoor.V.K, Statistical Theory-Method and Application, Sultan Chand and Sons NewDelhi 2010.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.gettingsmart.com](http://www.gettingsmart.com)
2. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
3. <https://rescuoc.edu/>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts.	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

**Questions to be included from all units for section A and B. Questions should be 80% problems and 20% theory.**



**SEMESTER – III**  
**RURAL ECONOMICS**

**Teaching Hours : 90**

**Credits: 5**

**Course Code : EC18/3A/RUE**

**LTP :3/3/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To enable the students to understand Rural Economy.
- To familiarise the students to the problems of Rural Economy.

**COURSE OUTLINE:**

- UNIT I:** Nature- Scope and Factors determining Rural Economy- Characteristics of Rural Economy - Social Aspects of India's Rural Areas - Barter System - Non-monetized Sector - Economic Characteristics - Land and Asset Distribution - Agricultural Income - Vagaries of Monsoon.  
(15hrs)
- UNIT II:** Rural Unemployment - Types and Magnitude , Agricultural Labour – Marginal Productivity – Agricultural Wage – Minimum Wages Act, Rural Employment Programmes – MGNREGA – Rural Poverty – Nature, Causes and Consequences – Poverty Alleviation Programmes.  
(20hrs)
- UNIT III:** Agricultural Marketing – Minimum Support Price linked to Production Cost - Agriculture Marketing Development – eNAM system (online Agriculture Market Place) Crop Insurance - Rural Finance - Causes and magnitude of rural indebtedness, Sources of rural credit: Unorganized: Money lenders, Indigenous Bankers, Organized: Co-operatives, Commercial Banks, Regional Rural Banks – NABARD.  
(20hrs)
- UNIT IV:** Rural Development Programmes – Urban bias in Economic Planning - Rural Roads Programme – Pradhan Mantri Gram Sadak Yojana – Rural Housing Programme – Pradhan Mantri Awaas Yojana – National Rural Livelihood Mission.  
(15hrs)
- UNIT V:** Rural Industrialization - Agro-based Industries – Cottage Industries, Rural artisans - Cooperative societies – Rural Marketing. Cooperative Marketing- Role of Self Help Groups – PURA Model – Recent Government Policy for Rural Development.  
(20hrs)

### **BOOKS FOR REFERENCE:**

1. Agarwal A.N., Kundan Lal, Rural Economy of India, Vikas, Delhi, 1990.
2. Choudry. C.M –Rural Economics- Jaipur- Sublime Publication 2009
3. Dhingra I.C., The Indian Economy, Sultan Chand, New Delhi, 2010.
4. L.C. Jain, Grass Without Roots: Rural Development Under Government Auspices, Sage Publications, New Delhi, 1985.
5. Patel, K.V, Shan A.C, and Mello L.D, Rural Economics, Himalya, Mumbai, 1984.
6. Prasad B.K. Rural Development, Concept, Approach and Rural Strategy, 2003.

### **WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>>el.

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts, Problems	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation/ Problems	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

## SEMESTER – IV

### INTERNATIONAL ECONOMICS

**Teaching Hours : 75**

**Credits: 4**

**Course Code : EC18/4C/INE**

**LTP :3/2/0**

#### **COURSE OBJECTIVES AND OUTCOMES:**

- To develop a systematic exposition of models that try to explain Composition, Direction and Consequences of International Trade.
- To enable the students to understand the theories governing International Trade.
- To impart knowledge on the role of International Institutions on World Trade.

#### **COURSE OUTLINE:**

**UNIT I:** International Trade –Meaning –Difference between International and Inter-Regional Trade – Importance – Analytical tools – Community Indifference Curve – Production Possibility Curve – Offer Curves.

(10hrs)

**UNIT II:** Theories of International Trade – Mercantilism - Adam Smith (Absolute Advantage ) – David Ricardo (Comparative Advantage ) – Nobel Laureate Heckscher - Bertil Ohlin Theory (Factor Endowment Theory) – Raymond Vernon (Product Life Cycle Theory) – Porter’s Diamond Theory (National Competitive Advantage Theory).

(20hrs)

**UNIT III:** Free Trade – Protection – Meaning- Cases for and against Free Trade and Protection - Quotas – Meaning and Types. Tariff – Meaning - Types – Effects of Tariffs under Partial Equilibrium

(15hrs)

**UNIT IV:** Balance of Payments – Meaning – Causes of Disequilibrium – Measures to Control Disequilibrium – New International Economic Order – Objectives and Implementation

(15hrs)

**UNIT V:** IMF - World Bank - GATT - WTO – European Bank for Reconstruction and Development – G20- Asian Development Bank – BRICS – Recent Summits-BREXIT - Trading Blocs –SAARC – NAFTA – EU.

(15hrs)

## **BOOKS FOR REFERENCE**

1. Bosodersten, International Economics , Macmillan Press Ltd London (2014).
2. Charles P Kindleberger: International Economics , Macmillan Press Ltd London (1999).
3. Dominick Salvatore, International Economics ,John Wiley International Student Edition (2014).
4. M.L Jhingan – International Economics, Vrindha Publications, (2016).
5. Paul Krugman, Maurice Obstfeld and Marc Melitz, Addison – Wesley International Economics: Theory and Policy, Pearson Education Indian Edition. (2014).
6. Robert Carbaugh – International Economics, Cengage Learning (2016).

## **WEBSITES AND e-LEARNING SOURCES:**

1. <https://academicearth.org/economics>
2. <https://rescuoc.edu/>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts.	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

## SEMESTER – IV

### BASIC ECONOMETRICS

Teaching Hours : 75

Credits: 4

Course Code: EC18/4C/BAE

LTP : 3/2/0

#### COURSE OBJECTIVES AND OUTCOMES:

- To enable the students to understand the basic concepts of Econometrics and the role of economic variables in Econometrics.
- To help them assess the role of economic variables in Econometrics.

#### COURSE OUTLINE:

**UNIT I:** Econometrics- Meaning, Methodology, Types- Single Equation regression Model- Two- Variable Regression Analysis- Population Regression Function (PRF), Sample Regression Function (SRF)- Stochastic Specification of PRF and Significance of Stochastic Disturbance Term.

(15hrs)

**UNIT II:** Two- variable Regression Model - The Problem of Estimation of Ordinary Least Squares- Precision or Standard Errors of Least Squares- Estimates- Properties of Least Square Estimators: The Gauss- Markov Theorem- The Co-efficient of Determination  $R^2$ : A Measure of 'Goodness of Fit'.

(15hrs)

**UNIT III:** Multiple Regression Analysis- The Three Variable Model- Partial Regression Coefficient- OLS and ML Estimation of Partial Regression Coefficient- The Multiple Coefficients of Determination  $R^2$  and Multiple Coefficient of correlation R- Specification Bias.

(15hrs)

**UNIT IV:** Multicollinearity - Detection of Multicollinearity - Remedial Measures- Heteroscedasticity – Detection of Heteroscedasticity - Remedial Measures- Autocorrelation - Detecting Autocorrelation - Remedial Measures.

(15hrs)

**UNIT V:** Functional forms of Regression Models- The Log – Linear Model- Semi- Log Models: LOG-LIN and LIN-LOG Models -Dummy Variables – ANOVA and ANCOVA models – Dummy variable trap – Chow Test.

(15hrs)

**BOOKS FOR REFERENCE:**

1. A Guide to Econometrics, Peter Kennedy, MIT Press 4<sup>th</sup> Edition, 1998.
2. Damodar N. Gujarathi, Basic Econometrics, McGraw Hill, 2003.
3. Damodar N. Gujarathi, Econometrics by Example, Palgrave Publications, 2011.
4. Damodar N. Gujarathi, Essentials of Econometrics, McGraw Hill, 5<sup>th</sup> Edition, 2017.
5. Dominick Salvatore and Derrick Reagle, Statistics and Econometrics, Tata McGraw Hill (Schaum's Series) 2014.
6. Introductory Econometrics: A Modern Approach, Jeffery M. Wooldridge, 5<sup>th</sup> Edition 2013.
7. Koutsoyiannis A, Theory of Econometrics, Palgrave, Delhi.
8. Maddalla G.S., Econometrics, McGraw Hill.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://ocw.mit.edu>
2. <https://www.edn.org>



**QUESTION PAPER PATTERN:**

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Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

## SEMESTER - IV

### URBAN ECONOMICS

**Teaching Hours : 90**

**Credits: 5**

**Course Code : EC18/4A/URE**

**LTP :3/3/0**

#### **COURSE OBJECTIVES AND OUTCOMES:**

- To highlight the features and role of Urban Economics.
- To enable the students to be aware of Urban Labour Markets and Land Use Pattern.
- To help the students to apply Basic Economic Principles in Urban Economics

#### **COURSE OUTLINE:**

**UNIT I:** Emergence of Urban Economics - Regional Development - Spatial Structure and Growth - Comparison between Developed and Developing Countries – Decentralisation - Regional Inequality- Difficulties in Measurement of Urban Growth.  
(15hrs)

**UNIT II:** Theory of Land Use Pattern- Housing Markets- Role of State- National Housing Policy - Slums (extent/ types) - Rehabilitation Policy - Theoretical underpinning of Land Ceiling and Rent Control – Land Ceiling – Rent Control – Land Encroachment – CMDA.  
(15hrs)

**UNIT III:** City functions and Structure- Size/Distribution/Growth- Concept of Urbanisation - Urban Morphology (sub/de/re/over/urbanisation)- Classical Models- Location of Residential and Industrial activities- Industrial Productivity and agglomeration- Tertiary Sector- Metropolitan/Mega Cities- Trends World Wide- Indian Situation.  
(20hrs)

**UNIT IV:** Urban Labour Markets- Developed and Developing Economies- Informal Sector- Segmentation and Hierarchy- Dualism- Todaro Model- Migration Theory and Empirical Trends in India- Impact of Globalization.  
(20hrs)

**UNIT V:** Physical Infrastructure: Transport- Water supply and sanitation- Electricity- Social Infrastructure: Education- Health Services- Access to basic Urban amenities- Local Finance- Tax revenue and grants- Municipalities- Municipal Corporations- Financial Instruments.  
(20hrs)

**BOOKS FOR REFERENCES:**

1. Arthur O' Sullivan, Urban Economics, Tata McGraw Hill, 2009.
2. Bruce Stiftel; Vanessa Watson, Dialogues in Urban and Regional Planning, Routledge Vol.1.2005.
3. Isher Judge Ahluwalia, Ravi Kanbur & P.K. Mohanty, ed, "Urbanisation in India – Challenges, Opportunities & the way forward", Sage Publishing, 2014.
4. Mukherjee, Jenia (Edt) Sustainable Urbanisation in India – Challenges & Opportunities. (2017).
5. Paul Kantor, The Dependent City Revisited: The Political Economy of Urban Development and Social Policy, Westview press, 1995.
6. Prasanna K. Mohanty "Cities & Public Policy: An Urban Agenda for India".
7. Vibhooti Shukla & Tara Shukla, "Urbanisation and Economic Growth".
8. World Bank Group & IMF "Global Monetary Report 2013: Rural - Urban Dynamics & the Millennium Development Goals" 2013.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.moef.nic.in.>consul\\_book\\_ch7](http://www.moef.nic.in.>consul_book_ch7).
2. <https://www.khanacademy.org>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts& Sums	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems/ Sums	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation/ Sums	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

## SEMESTER – III

### INDIAN ECONOMY

**Class : II B.A HISTORY**

**Teaching Hours : 90**

**Credits: 5**

**Course Code : EC18/3A/ INY**

**LTP : 3/3/0**

#### **COURSE OBJECTIVES AND OUTCOMES:**

- To understand the structure of Indian Economy.
- To familiarize students with the sectoral dimensions of Indian Economy.
- To review major trends in Economic Indicators and Policies.

#### **COURSE OUTLINE:**

**UNIT I:** Concepts of Economic Growth and Development- Features of a Developing Economy – Economic and Non-Economic Factors impeding Economic Development - Indicators- HDI- Happiness Index - Growth of Population- Demographic Transition- Birth and Death Rate- Density of Population- Education- Health- Malnutrition.

(20hrs)

**UNIT II:** Capital Formation- Human and Physical Capital - Sources of Savings - Causes for Low Rate of Savings- Human Capital Formation in India.

(15hrs)

**UNIT III:** Recent Trends in India's National Income - Objectives and Assessment of Eleventh and Twelfth Five Year Plans - NITI Aayog.

(15hrs)

**UNIT IV:** Causes of Poverty- Poverty Alleviation Programmes- Unemployment- Types - Problems – Remedies.

(20hrs)

**UNIT V:** Agriculture and its Contribution to Economic Growth- National Commission on Farmers and Second Green Revolution - Agriculture Crisis- Crop Insurance- Food Security - TPDS - GMS and Organic Farming.

(20hrs)

**BOOKS FOR REFERENCE:**

1. A.N.Agarwal and Singh, Indian Economy Problems of Under Development, Sultan Chand and Sons, New Delhi, 2000.
2. D.Bright Singh, Economics of Development, Sultan Chand and Sons, New Delhi, 2000.
3. Dhingra.I.C, Indian Economy, Sultan Chand and Sons, New Delhi, 2009.
4. GauravDatt and AshwanMahajan, India Economy, S.Chand and Company Pvt, Ltd, New Delhi, 2015.
5. J.P.Bhattacharjee, Studies in India Agricultural Economics, 2000.
6. RuddarDutt, K.P.M. Sundharam, Indian Economy, Sultan Chand and Sons, New Delhi, 2005.
7. Uma Kapila- “Indian Economy- Performance & Policies”, 7<sup>th</sup> Edition, 2017.

**JOURNALS:**

1. Gurukshetra
2. Indian Economic Journal
3. Yojana

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.indianinfo.com/econ/and contents/html](http://www.indianinfo.com/econ/and%20contents/html)
2. [www.indianinfo.com/econ/and contents/html](http://www.indianinfo.com/econ/and%20contents/html)
3. [www.mhhe.com](http://www.mhhe.com)
4. [www.mhhe.com](http://www.mhhe.com)

**QUESTION PAPER PATTERN:**

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Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

## SEMESTER – IV

### TAMIL NADU ECONOMY

**Class : II B.A HISTORY**

**Teaching Hours : 90**

**Credits: 5**

**Course Code : EC18/4A/ TNY**

**LTP : 3/3/0**

#### **COURSE OBJECTIVES AND OUTCOMES:**

- To get an in-depth knowledge of Tamil Nadu Economy.
- To familiarize students to the sectoral dimensions of Tamil Nadu Economy.
- To equip students to take up Competitive Exams.

#### **COURSE OUTLINE:**

**UNIT I:** Geographical Features – Natural Resources: Land, Forest, Water, Fisheries and Minerals – Relevance of Regional Economics.

(15hrs)

**UNIT II:** Growth of Population –Vital Statistics – Size - Gender Ratio in Rural and Urban – Birth and Death Rate – Life Expectancy – Infant Mortality Rate – Fertility Rate – Vision 2020.

(15hrs)

**UNIT III:** Irrigation -Cropping Pattern -Production of Food Grains and Non-Food Grains - Agricultural Policy – Agricultural Marketing – The Public Distribution System - Agricultural Credit – Role of Rural Banks and NABARD in Agricultural Development.

(20hrs)

**UNIT IV:** Cotton, Sugar, Cement and Leather Industries –SSI in Tamil Nadu – Industrial Estates -Handloom Industry–Khadi and Village Industries - TIDCO, SIDCO, TANSI, SIPCOT and TIIC – Environment Protection Measures in Tamil Nadu – Thermal - Hydro and Nuclear Power in Tamil Nadu – Role and Challenges – SEZ.

(20hrs)

**UNIT V:** Education – Health - Nutrition - Poverty and Unemployment - Rural and Urban Poverty Alleviation Programmes - Employment in the Organized and Unorganized sectors - Self Employment Schemes in Tamil Nadu.

(20hrs)



**BOOKS FOR REFERENCES:**

1. A.G. Leonard, S.J. (2006): “Tamil Nadu Economy- Trends and Prospects”, (ed.), University of Madras, Chennai-5.
2. Madras Institute of Development Studies, “Tamil Nadu Economy- Performance and Issues”, Oxford and IBH Publishing Company Pvt. Ltd., New Delhi, 1998.
3. Manickam, Tamil Nadu in Perspective 2013.
4. Perumalsamy. S, Economic Development of Tamil Nadu 2013.
5. Perumalsamy. S, Tamil Nadu Economy’s Performance and Issues 2015.
6. Rajalakshmi, Tamil Nadu Economy 1999.
7. Veeramani A.R., Tamil Nadu Agricultural Economy 2015.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.gettingsmart.com](http://www.gettingsmart.com)
2. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
3. <https://ocw.mit.edu>

**QUESTION PAPER PATTERN:**

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Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

**SEMESTER – III**  
**PRINCIPLES OF ECONOMICS**

**Class : II B.COM**

**Teaching Hours : 90**

**Credits: 5**

**Course Code : EC18/3A/PRE**

**LTP : 3/3/0**

**COURSE OBJECTIVES AND OUTCOMES:**

- To help students gain an understanding of consumer behavior and Production Function.
- To learn about the various market structures in the economy.
- To enable the students to study business environment.

**COURSE OUTLINE:**

**UNIT I :** Definition and Scope of Economics – Difference between Micro and Macro Economics –Law of Demand – Law of Supply - Law of Diminishing Marginal Utility – Lancaster’s Approach to Consumer Theory.

(20hrs)

**UNIT II :** Production Function – Types of Production Function –Law of Variable Proportions – Returns to Scale – Cobb Douglas Production Function – Properties – CES.

(15hrs)

**UNIT III:** Cost Curves– Total Average and Marginal Cost Curves - Revenue Curves – Short Run and Long Run Cost Curves -Derivation of the Average Revenue and Marginal Revenue from Total Revenue Curves.

(20hrs)

**UNIT IV:** Perfect Competition – Price-Output Determination – Time Element Analysis – Monopoly – Discriminating Monopoly – Monopolistic Competition – Duopoly – Oligopoly.

(20hrs)

**UNIT V:** Inflation - Deflation – Causes –Demand Pull & Cost Push Inflation- Measures to control Inflation – Slump Inflation – Asset Inflation – Core Inflation – Stagflation - Business Cycles- Types – Phases – Theories of Business Cycle.

(15hrs)

**BOOKS FOR REFERENCES:**

1. A.Koutsoyiannis, Modern Micro Economics Palgrave Macmillan 2003.
2. H.L. Ahuja, Modern Micro Economics, Theory of Applications, S.Chand Publication Chennai 2016.
3. M.L.Jhingan, Micro Economics, Vrinda Publication Pvt. Ltd., Delhi 2016.
4. Sankaran S. Business Economics., Margham Publications, Chennai, 2003.
5. Stephen A.K. Managerial Economics., VrindhaPubublications, New Delhi, 1995.
6. Sundaram K.P.M. Micro Economic Theory. Sultan Chand and Sons, New Delhi 1997.
7. Varshney&Maheshwari., Managerial Economics, Sultan Chand and Sons, New Delhi 2003.

**JOURNALS:**

1. American Economic Review
2. Association of Economic Times.
3. Economic and Political Weekly

**WEBSITES AND e-LEARNING SOURCES:**

1. <http://catalogue.bized.ac.uk>
2. [www.aeaweb.org](http://www.aeaweb.org)
3. [www.microeconomic analysis.com](http://www.microeconomicanalysis.com)
4. [www.theoriesoffirms.com](http://www.theoriesoffirms.com)

**QUESTION PAPER PATTERN:**

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Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

## SEMESTER – IV

### INTERNATIONAL ECONOMICS

**Class : II B.COM**

**Teaching Hours : 90**

**Credits: 5**

**Course Code : EC18/4A/ITE**

**LTP : 3/3/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable the students to study the international Economic theories.
- To help student understand the Balance of Payments.
- To learn about various International Financial Institutions.

#### **COURSE OUTLINE:**

**UNIT I:** International Economics – Meaning – Importance – Difference between Inter-regional and International Trade - Gains from Trade – Actual Gain and Potential Gain – Factors Determining the Gains from Trade.

(20hrs)

**UNIT – II:** Theories of International Trade – Mercantilism - Adam Smith (Absolute Advantage ) – David Ricardo (Comparative Advantage ) – Nobel Laureate Heckscher - Bertil Ohlin theory (Factor Endowment Theory) – Raymond Vernon (Product Life Cycle Theory) – Porter’s Diamond Theory (National Competitive Advantage Theory).

(15hrs)

**UNIT III:** Free Trade - Cases for & against Free Trade – Protection – Arguments for and against Protection – Globalisation - MNC’s and Trade.

(15hrs)

**UNIT IV:** Exchange Control – Features – Objectives – Methods – Merits and Demerits - Balance of Payment – Structure – Disequilibrium – Measures to Combat Disequilibrium.

(20hrs)

**UNIT V:** International Monetary Fund – World Trade Organisation – GATT – World Bank –G20- Asian Development Bank - European Bank for Reconstruction and Development, BRICS, BREXIT.

(20hrs)

**BOOKS FOR REFERENCE:**

1. Bulchandi, International Economics, Himalaya Publishing House, 2000.
2. Jhingan.ML. International Economics, Vrinda Publications pvt ltd Delhi, 2005.
3. Lindert Peter, International Economics, All India Traveller Book Seller Delhi ,2006
4. Paul Krugman, Maurice Obstfeld and Marc Melitz, Addison – Wesley International Economics: Theory and Policy, Pearson Education Indian Edition. (2014).
5. Radha.V. International Economics, Prasana Publishers, 2006.
6. Robert Carbaugh – International Economics, Cengage Learning (2016).
7. Vaish.MC. International Economics Oxford and IBH Publishing Company, 2000.

**JOURNALS:**

1. Journal of International Economics
2. Journal of Political Economy

**WEBSITES AND e-LEARNING SOURCES:**

1. <http://internationalecon.com>

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Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.



## SEMESTER – V

### DEVELOPMENT OF ECONOMIC IDEAS

**Teaching Hours: 90**

**Credits: 4**

**Course Code : EC18/5C/DEI**

**LTP : 3/3/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To have an insight on Development of Economic Ideas.
- To understand the evolution of Economic Ideas.
- To expose students to a few Economic Ideas of Noble Laureate.

#### **COURSE OUTLINE:**

**UNIT I:** Economic Thought of Plato and Aristotle- Doctrines of Just Cost and Just Price- Mercantilism Main Characteristics - Thomas Mun – Physiocracy - Natural order, Importance of Agriculture - Social Classes, Tableau Economique –Taxation – Turgot.  
(15hrs)

**UNIT II:** Adam Smith- Division of Labour and Specialization - Theory of value – Capital Accumulation - Distribution, Views on Trade, Economic Progress - David Ricardo - Theory of Rent – Distribution - Ideas on Economic Development and International Trade - Thomas R. Malthus - Theory of Population - Historical School -Views of Roscher - Marginal School - Marx and Scientific Socialism- Communist Manifesto - (Marxian)- Theory of Surplus Value - Law of Capitalist Accumulation - Theory of Capitalist Exploitation.  
(20hrs)

**UNIT III:** Alfred Marshall - Stationary State- Utility- Quasi Rent- Laws of Returns - Walrus- General Equilibrium - Pigou: Welfare Economics - Institutional Economics –Thorstein Veblen - Business Enterprises - Institution of Leisure Class- Class Conflict – Commons - Mitchell- Kenneth Galbraith.  
(20hrs)

**UNIT IV:** Theory of Employment - Theory of Consumption - Liquidity Preference Theory and Rate of Interest - Keynes - Great Depression. J.A. Schumpeter- J.M. Clark- Lionel Robbins- R. Nurkse - Joan Robinson.  
(15hrs)

**UNIT V:** Paul A. Samuelson, Kuznets, Arrow, Myrdal, Schultz, A.Lewis - Amartya Sen. Early economic ideas – Kautilya, Valluvar - Modern Economic ideas - Naoroji, Ranade, Periyar - Economic ideas of Gandhi - Trusteeship – Village Swadeshi - Place of Machine and Labour – Cottage - Industries - Co-operation - Ambedkar - Approaches to planning - The National Planning Committee – Nehru - Gadgil - Indira Gandhi - Kamaraj.  
(20hrs)

## **BOOKS FOR REFERENCE:**

1. A Brief History of Economics E.Raycanterbery – 1995.
2. A History of Economic Thought Lionel Robbins 1998.
3. A Short History of Economic Thought Haus – Michael Trautwein et al., 2014
4. Blacdkhouse, R, A history of modern economic analysis, Basil Blackwell, Oxford. (1985).
5. Economics Thought: A Brief History Heinz D Kurz 2016.
6. Ganguli, B.N. Indian Economic Thought: A 19<sup>th</sup> Century Perspective, Tata McGraw Hill, New Delhi, (1977).
7. Gide C and G. Rist, A History of Economic Doctrines, 2 Edition, George Harrop& Co., London (1956).
8. Grey. A and A. Thomson, The Development of Economic Doctrine, 2 Edition, Longman Group, London (1980).
9. Kautilya, The Arthashastra, Edited, Rearranged, Translated and Introduced by Roll., A History of Economic thought, Faber, London (1973).
10. Schumpeter, J. History of Economic Analysis, Oxford University Press, New York. (1954).
11. Seshadri. G.B, Economic Doctrines B. Publshing Corporation, Delhi (1997).

## **WEBSITES AND e-LEARNING SOURCES:**

1. [www.decd.org>edu>leri](http://www.decd.org>edu>leri)
2. [www.gettingsmart.com](http://www.gettingsmart.com)
3. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
4. <https://ocw.mit.edu>

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Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

**SEMESTER – V**  
**INDIAN ECONOMY**

**Teaching Hours : 90**

**Credits : 4**

**Course Code : EC18/5C/IEY**

**LTP : 3/3/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To understand the structure of Indian Economy.
- To familiarize students with the sectoral dimensions of Indian Economy.
- To review major trends in economic indicators and policies.

**COURSE OUTLINE:**

**UNIT I:** Concept of Economic Growth and Development- Features of the Indian Economy- Major issues of Economic Development in India- Growth of population- Demographic Transition- Birth Rate - Death Rate- Gender Composition- Age Composition- Density of Population- Urbanisation- Demographic Trend.  
(15hrs)

**UNIT II:** Poverty in India - Absolute Poverty - Relative Poverty – Causes - Poverty Alleviation Programmes – Unemployment - Kinds of Unemployment - Problems of Unemployment – Measures.  
(15hrs)

**UNIT III:** National Income in India – Trends – Sectoral Contribution – FIRE Sector – Capital Formation in India - Planning- Objectives and Assessment - Eleventh and Twelfth Five Year Plans - NITI Aayog.  
(20hrs)

**UNIT IV:** Health and Family Welfare - Health Indicators in India- National Rural and Urban Health Mission Programmes- Objectives and Achievements – MDG – HDI - PQLI – DALYs – Happiness Index – Education – Progress of Education in India – Role of Technical and Vocational Education.  
(20hrs)

**UNIT V:** Government Schemes – Pradhan Mantri Jan Dhan Yojana (PMJDY) – Sukanya Samridhi Yojna (SSY) – Rashtriya Swasthya Bima Yojana (RSBY) - National Social Assistance Schemes – Pradhan Mantri Mudra Yojana- Pradhan Mantri Jivan Bima Yojana (PMJJBY) – Rajiv Gandhi Jeevandayee Arogya Yojana.  
(20hrs)

**BOOKS FOR REFERENCE:**

1. C.S.O National Accounts Statistics, 2017.
2. D.Bright Sigh, Economics of Development, Sultan Chand and Sons, New Delhi, 2000.
3. Indian Economy A.N.Agarwal, New Age International Publishers, 2017.
3. Indian Economy Dutt and Sundharam, Sultan Chand and Sons, New Delhi, 2016.
4. Indian Economy I.C.Dhingra, Schand, 2016.
5. Indian Economy S.Sankaran, Margham Publication, Chennai, 2014.
6. J.P. Bhattacharjee; Students in Indian Agricultural Economics, Sultan Chand and Sons, New Delhi 2000.
7. Misra and Puri; Indian Economy, Himalaya Publication House, New Delhi 2012.
8. Uma Kapila- “Indian Economy- Performance & Policies”, 7<sup>th</sup> Edition, 2017.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.economicdiscussion.com](http://www.economicdiscussion.com)
2. [www.decd.org>edu>leri](http://www.decd.org>edu>leri)

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts.	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

## SEMESTER – V

### OPERATIONS RESEARCH

**Teaching Hours: 90**

**Credits: 4**

**Course Code : EC18/5C/OPR**

**LTP : 3/3/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable students to understand the rational allocation of resources to choose the best decision in a dynamic Business Environment.
- To help in acquiring Entrepreneurial Skills.

#### **COURSE OUT LINE**

- UNIT I:** Definition – Characteristics – Scope – Operations Research and Decision Making – Techniques, Relevance and Limitations of Operational Research – Meaning of a Model – Steps in building a model. (15hrs)
- UNIT II:** Introduction – Matrix formulation of a Transportation Problem – North West Corner Method - Least Cost Entry Method – Vogel’s Approximation Method- Initial Basic Feasible Solution - Assignment – Introduction – Balanced and Unbalanced Assignment Problem – Solution using Hungarian Assignment Method. (20hrs)
- UNIT III:** Decision Theory – steps in Decision Theory – Concepts of Expected Monetary Value – Expected Value of Perfect Information and Expected Opportunity Loss - Introduction to Risk and Uncertainty – Decision under Uncertainty using Laplace - Maximin – Minimax – Maximax – Minimin – Hurwicz and Savage methods. (20hrs)
- UNIT IV:** Network Analysis –Meaning – Objectives and Applications – Fundamental Concepts – Event – Activity – Path – Dummy Activity – Fulkerson’s Rule – Network Construction – Time Estimates in Network Analysis – Earliest Finish – Latest Finish – Critical Path – Programming Evaluation Review Technique (PERT). (20hrs)
- UNIT V:** Traffic Intensity- Idle rate- Queuing Theory – Single Channel- Number of Customers in Line and System - Time Spent by the Customers in Line and System- Probability of Customers’ Waiting. (15hrs)

**BOOKS FOR REFERENCES:**

1. Kapoor V.K., Operations Research, Sultan Chand and Sons, New Delhi 2011.
2. P.K. Gupta & Manmohan, Problems in Operations Research (Methods and Solutions), Sultan Chand and Sons, New Delhi 1992.
3. Panneerselvam R., Operations Research, Prentice-Hall India 2018.
4. Srivastava U.K, Shenoy G.V., & Sharma S.C., Quantitative Techniques for Managerial Decisions, Wiley Eastern Limited 2016.
5. Vohra N.D., Quantitative Techniques in Management, Mc.Graw Hill 2011.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.decd.org>edu>leri](http://www.decd.org>edu>leri)
2. [www.gettingsmart.com](http://www.gettingsmart.com)



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Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/S ynthesis / Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

**Questions to be included from all units for section A and B. Questions should be 80% problems and 20% theory.**

## SEMESTER – V

### FISCAL ECONOMICS

**Teaching Hours : 90**

**Credits: 4**

**Course Code : EC18/5C/FIE**

**LTP :3/3/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable the students to understand the Meaning and Scope of Public Finance
- To make the student understand Theories of Taxation and Public Expenditure

#### **COURSE OUTLINE:**

- UNIT I:** Meaning and Role of Public Finance –Distinction between Public Finance and Private Finance - Principle of Maximum Social Advantage. (15hrs)
- UNIT II:** Taxes- Canons of taxation- Classification – Theories of Taxation, Cost of Service Theory, Benefit Principle and Ability to Pay Theory- Shifting and Principle of Taxation - Incidence- Impact of Taxation- Budget- Features- Recent Union and State Budget- Gender Budgeting. (20hrs)
- UNIT III:** Public Revenue -Source of Revenue of the Centre and States - Tax and Non-Tax Revenue - Role of Direct Tax- Income Tax - Corporate Tax - Role of Indirect Tax- GST- GST Council. (20hrs)
- UNIT IV:** Public Expenditure - Classification- Causes- Growth of Public Expenditure in India Since 2015 – Finance Commissions (Recent Two). (20hrs)
- UNIT V:** Deficit Financing- Trends in Fiscal Deficit as a Ratio to GDP- Public Debt-Need for Public Debt - Public Debt and Private Debt - Cause and Effects of Public Debt - Public Debt Redemption. Issues - Challenges and Trends in Public Debt in India Since 2015- Fiscal Policy in India. (15hrs)

### **BOOKS FOR REFERENCE:**

1. Bhatia H.L., “Public Finance”, Vikas Publishing House, New Delhi 2017.
2. Biswaded Chatterjee, Tax performance in Indian State-A Comparative Study, Mittal Publication, 4594/9, Daryaganj, New Delhi, 1997.
3. Lekhi Public Finance, Kalyani Publishers, New Delhi 2015.
4. R.A. Musgrave and P.B. Musgrave, Public Finance in Theory and Practice, McGraw Hill Publication 5<sup>th</sup> Edition, 1989.
5. Raja Chelliah, J. “Incidence of Indirect Taxation in India”, National Institute of Public Finance and Policy 1974
6. Raja J. Chelliah, “Fiscal Policy in Underdeveloped Countries”, Allen and Moowbray Limited at the Alden Press Oxford, II Edition 2012.
7. Richard. A. Musgrave & Peggy B. Musgrave, Public Finance in Theory and Practices, McGraw Hill International Edition, New York, 2006.
8. Tyagi B.P. “Public Finance”, Gah. Nauchandi Hugh Dalton, “Principle of Public Finance”, Broadway House, Carter Lane, London, 2015.

### **WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. [elearning.ec.unipi.gr](http://elearning.ec.unipi.gr)>elearning

**QUESTION PAPER PATTERN:**

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Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

**SEMESTER-V  
HEALTH ECONOMICS**

**Teaching Hours: 90**

**Credits: 5**

**Course Code: EC18/E1/HES**

**LTP :3/3/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To make the students to understand the Importance of Health Sectors to Economic Development.
- To study the recent trends in Medical Tourism.
- To have an insight of the Health Policy.

**COURSE OUTLINE:**

**UNIT I:** Definition of Health Economics - Importance – Concepts – Health Care - Health Indicators - Birth Rate - Death Rate – IMR – CMR – MMR - Morbidity Rate (Acute and Chronic ) - Disability Adjusted Life Years (DALYs) - Quality Adjusted Life Year (QUALY) - Gender Ratio.

(20hrs)

**UNIT II:** Demand for Health Care – Case of Health Care Accessibility –Socio Economic and Cultural Factors, Determining Health Status – Supply of Health - Health Care Delivery system- Pricing Health Care.

(20 hrs)

**UNIT III:** Health Expenditure –Public and Private – Direct and Indirect – Health Insurance – Concept of User Cost – Health Policy of WHO – NRHM– NFHS.

(15hrs)

**UNIT IV:** Health Infrastructure – Rural – Urban – Government Programmes- Health Allocation in Budget.

(20 hrs)

**UNIT V:** Supply and Demand of Medical Tourism – Areas – Opportunities and Constraints - India and Medical Tourism.

(15hrs)

**BOOKS FOR REFERENCE:**

1. Banerjee, D. (2016), social and Cultural Foundations of Health Service Systems of India, Inquiry, Supplement to Vol. XII, June.
2. Edwin G Dolan and John C Goodman: Economics of Public Policy: West Publishing Company, New York 2015.
3. Higher Education reform in India – 1993 – Suma Chitnis and Philip Altbach Sage – New Delhi.
4. Infrastructure Report: India Infrastructure – Oxford University Press (Revised Edition) 3. Nanjudappa – Economics of Transport, 2011.
5. M. Grossman, ‘The Shadow price of Health in the Economics of Health’ Vol. 1 by A.J. Culyes (ed) (1991), Edward Elger publishing Ltd, UK.
6. Volan Brian (1993) Economics Incentives, Health Status and Health services, Utilisation, Journal of Health Economics, Vol II.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.decd.org>edu>leri](http://www.decd.org>edu>leri)
2. [www.gettingsmart.com](http://www.gettingsmart.com)
3. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)

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Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts& Sums	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems/ Sums	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation/ Sums	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

**SEMESTER – V**  
**INDUSTRIAL ECONOMICS**

**Teaching Hours: 90**

**Credits: 5**

**Course Code : EC18/E1/IDE**

**LTP : 3/3/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To study the contribution of Industrial sector to Economic Development.
- To understand the infrastructure of the Industrial Sector.
- To identify strategies for Industrial Development.

**COURSE OUTLINE:**

**UNIT I:** Introduction – History of Industrial Economics – Factors Inhibiting Industrialization – Industrial Efficiency – Meaning - Determinants and Measurement.

(15hrs)

**UNIT II:** Determinants of Industrial Location – Theories of Industrial Location - Weber and Sargent Florence – Approaches to Industrial Location – Industrial Locational Trends in India – Need for Balanced Regional Development in India.

(20hrs)

**UNIT III:** Importance and Measurement of Productivity- Scope and Significance- Tools of Productivity - Factors influencing Industrial Productivity - Labour Productivity - Meaning and Determinants - Wrong Notions of Productivity- Productivity Movement in India - National Productivity Council.

(15hrs)

**UNIT IV:** Market Concentration – Diversification – Vertical Integration and Merger – Innovation - Process of Innovation and Measurement of Innovation Activities – Theory of Technological Innovation – Diffusion of New Technology

(20hrs)

**UNIT V:** Industrial Policy - Globalization in Indian Industry - Privatisation & Issues Relating to Disinvestment Policies- MSME.

(20hrs)



**BOOKS FOR REFERENCE:**

1. Feldstein, M.S. (1977), Economic Analysis of Health Service Efficiency, North Holland, Amsterdam.
2. Government of India (1983), National Health Policy, New Delhi.
3. Madan, T.N. (1980), Doctors and Society- Three Asian Case Study, Vikas Publishing House, Delhi.
4. Industrial Economics, Roger G. Clarke 2016.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.economicsnetwork.ac.uk>>el.
2. [www.decd.org](http://www.decd.org)>edu>leri

**QUESTION PAPER PATTERN:**

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Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

**SEMESTER - V**  
**PRINCIPLES OF MARKETING**

**Teaching Hours : 90**

**Credits : 5**

**Course Code : EC18/E1/POM**

**LTP : 3/3/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To understand the significance of Marketing Functions.
- To study the contribution of Marketing in Economic Development.
- To enable the students to understand the Essentials of Marketing.

**COURSE OUTLINE:**

**UNIT I:** Market and Marketing – Introduction – Evolution – Classification – Types – Marketing Features – Objectives – Importance of Marketing – Marketing and Selling- Relevance of Selling Cost - Modern Marketing Concept – Marketing Functions – Marketing Tools.

(15hrs)

**UNIT II:** Buying – Classification – Problems of Buying – Elements of Buying – Purchasing Methods. Assembling – Meaning – Advantages – Problems Selling – Elements- Kinds.

(20hrs)

**UNIT III:** Standardisation- Meaning - Labeling – Grading- Methods of Grading – Types of Grading – Significance – Control of Standard – ISI – AGMARK- BIS.

(20hrs)

**UNIT IV:** Mix-Positioning of Product – Market Segmentation and Product Differentiation – Product Modification.

(15hrs)

**UNIT V:** Recent Trends in Marketing – Marketing Information Systems – e-Commerce – Marketing Research – Consumerism.

(20hrs)

**BOOKS FOR REFERENCE:**

1. Marketing – An Introduction, Philip Kotler 2005.
2. Marketing – Dr.Rajan Nair, Sultan Chand and Sons.
3. Modern Marketing Principles and Practices – R.S.N. Pillai and Bhagyathi.
4. Principles of Marketing, Philip Kotler, Gary Armstrong, 2014.
5. Principles of Marketing, John F. Tanner, Jr., Mary Anne Raymond, Camille Schuster 2016.

**WEBSITES AND e-LEARNING SOURCES:**

1. <http://elearneconomics.com>.
2. [www.economicdiscussion.com](http://www.economicdiscussion.com)
3. [www.decd.org>edu>leri](http://www.decd.org>edu>leri)

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Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

## SEMESTER - VI

### ENVIRONMENTAL ECONOMICS

Teaching Hours : 90

Credits : 4

Course Code : EC18/6C/ENE

LTP :3/3/0

#### COURSE OBJECTIVES AND OUTCOME:

- To enable the students to have insight about Ecological problems.
- To make the students understand the importance of resources
- To enable the students understand Environmental Policy and Issues.

#### COURSE OUTLINE

**UNIT I:** Environmental Economics – Definition – Scope – Conservation of Natural Resources – Ecological Economics – Definition – Environmental Kuznets Curve.

(15hrs)

**UNIT II:** Public Goods - Market Failure – Externalities – Property Right and Coase Theorem – Tragedy of Commons – Pareto Optimality.

(15hrs)

**UNIT III:** Pollution Prevention and Control - Command and Control Methods – Pigouvian Taxes and Effluent Fees – Tradable Permits – Choice Between Taxes and Quotas under Uncertainty – Implementation of Environmental Policy.

(20hrs)

**UNIT IV:** International Environmental Problems – Economics of Bio-Diversity – Economics of Climate Change – Trade and Environment – Valuation of Non-Market Goods and Services Methods- Cost Benefit Analysis - Environmental Policies and Regulations.

(20hrs)

**UNIT V:** Sustainable Development- Concepts – Measurement – SDG (Environment related) – Preservation and Conservation of Natural Resources – Cleaner and Greener Technologies – Green National Accounting – Swachh Bharat - Swachh Bharat Abhiyan – Swachh Survekshan

(20hrs)

**BOOKS FOR REFERENCE:**

1. Charles Kolstad, Intermediate Environmental Economics, Oxford University Press, 2<sup>nd</sup> Edition, 2010.
2. Karpagam. M. - Environmental Economics, Sterling Publisher Private Ltd. 1999.
3. Eugene .T (2014), Environmental Economics, Oxford University Press, New Delhi.
4. Maureen L. Cropper and Wallace E. Oates, 1992, “Environmental Economics : A Survey”, Journal of Economic Literature, Volume 30, pp.675-740.
5. Robert N.Stavins (ed.), Economics of the Environment: Selected Readings, W.W.Norton, 5<sup>th</sup> Edition, 2005.
6. Roger Perman, Yue Ma, James Ma, James McGilvray and Michael Common, Natural Resource and Environmental Economics, Pearson Education / Addison Wesley, 3<sup>rd</sup> Edition, 2003.

**WEBSITES AND e-LEARNING SOURCES:**

1. [elearning.ec.unipi.gr](http://elearning.ec.unipi.gr)>elearning.
2. <http://www.coursera.org/learn/economics>

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Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.



**SEMESTER – VI**  
**TAMIL NADU ECONOMY**

**Teaching Hours : 90**

**Credits : 4**

**Course Code : EC18/6C/TNE**

**LTP :3/3/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To get an in-depth knowledge of Tamil Nadu Economy.
- To familiarize students to the Sectoral Dimensions of Tamil Nadu Economy.
- To equip students to take up Competitive Examinations.

**COURSE OUTLINE:**

**UNIT I:** Salient Features - Land Area - Livestock - Forest Resources- Water – Minerals  
- Fisheries

(15hrs)

**UNIT II:** Growth of Population – Gender Ratio - Birth and Death Rate - Life Expectancy – IMR - MMR - Education- Health - Rural and Urban Poverty - Alleviation Programmes - Self Employment Schemes.

(20hrs)

**UNIT III:** Land use - Cropping Pattern - Principal Commodities - Sources of Irrigation - Agricultural Marketing – Defects - Remedial Measures - Food Security- PDS- FCI- Agricultural Finance- NABARD.

(15hrs)

**UNIT IV:** Major Industries- Automobile- Leather - Cotton- Sugar- Cement- Software- MSME- Cottage Industries- Ancillary Industries- Handloom Industries- Role of Tamil Nadu Government in Industrial Development - TIIC, SIDCO, SIPCOT, TANSI, TIDCO, Environmental Protection Measures in Tamil Nadu –TANSTA – Tamil Nadu Rank in Business.

(20hrs)

**UNIT V:** Infrastructure – Transport – Communication – Power – Water.

(20hrs)

**BOOKS FOR REFERENCE:**

1. A.G. Leonard, S.J. (2006): “Tamil Nadu Economy- Trends and Prospects”, (ed.), University of Madras, Chennai-5.
2. Madras Institute of Development Studies, “Tamil Nadu Economy- Performance and Issues”, Oxford and IBH Publishing Company Pvt. Ltd., New Delhi, 1998.
3. Manickam, Tamil Nadu in Perspective 2013.
4. Perumalsamy. S, Economic Development of Tamil Nadu 2013.
5. Perumalsamy. S, Tamil Nadu Economy’s Performance and Issues 2015.
6. Rajalakshmi, Tamil Nadu Economy 1999.
7. Veeramani A.R., Tamil Nadu Agricultural Economy 2015.

**WEBSITES AND e-LEARNING SOURCES:**

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Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

## SEMESTER – VI

### COMPUTER APPLICATIONS IN ECONOMICS

**Teaching Hours : 90 Credits : 4**

**Course Code : EC18/6C/CAE LTP : 3/2/1**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable the students to understand the Basic Concepts of Computer Applications.
- To understand the application of Computer in Economics.

#### **COURSE OUTLINE:**

- UNIT I:** Introduction to Computers and Peripherals - Computer – meaning, types, features and limitations– Basic components of computer –Input and output devices – Primary memory and Secondary storage– Computer software– types – Malicious Software – Protecting Computer– Operating systems– functions and types.  
(15hrs)
- UNIT II:** Word Processing - MS Word 2007– word basic tool bars –Creating a new document– Manipulation of the first document – Editing the Document - Inserting a Table, Graph, Image and Video– Inserting Header, Footer and page number– inserting equations (equation editor) – inserting, activating and deactivating a hyperlink- Records and mail merge.  
(20hrs)
- UNIT III:** Data Analysis -Excel 2007– Excel environment– Excel toolbars – Insertion of Rows and Columns– Entering Data/Text– Editing Data/Text. Data – Autofill– Sort– Filter -Creation of charts and graphs– Manipulation of Data –Formula Syntax- Entering and Editing Formula– Auto Sum- Insert Functions – Function Library – Mathematical, Statistical and Financial – Descriptive statistics – Correlation and Regression using data analysis tool pack – Trend lines : Linear and Non-Linear – use of Excel in Economics and Business Analysis.  
(20hrs)
- UNIT IV:** Preparation of Presentations - PowerPoint 2007–Introduction to PowerPoint – Creating a new presentations – Using auto content wizard –Using blank presentation option – Using design template option–adding slides–deleting / duplicating a slide – Inserting/importing images, videos, graphs–transition / animation effects- Starting a slideshow – An introduction to Data Science.  
(20hrs)
- UNIT V:** The Digital Economy - The World Wide Web –Evolution of Internet-Basic Internet Terminologies– Creating, Sending and Receiving email– Social Networks - e-commerce – Meaning and Concept– History of E-commerce – Importance, Features & Benefits of e-commerce – Impacts, Challenges and Limitations of e-commerce – Online shopping- Electronic Payment System.  
(15hrs)

**BOOKS FOR REFERENCE:**

1. Electronic Commerce: A Managerial Perspective, Turban, Efraim, David King et.al Pearson Education Asia, Delhi.
2. Fundamentals of Computer: For Under Graduate courses in Commerce and Management, ITL Educational Solutions Limited. Pearson, Education–India, Second Edition. (ISBN:9788131733349).
3. Introduction to Computer Science, ITL Educational Solutions Limited. Pearson, Education– India, Second Edition. (ISBN:9788131760307).
4. Microsoft Office Excel 2007 For Dummies, Greg Harvey, PhD, Wiley Publishing, Inc., (ISBN–13: 978–0–470–03737–9).
5. Microsoft Office Word 2007 Plain & Simple, Joyce Moon, PHI(2007), ISBN–13–9788120331631, 1<sup>st</sup> Edition.
6. Modern database Management; Hoffer, Jeffrey A, Marry B.Prescott, and Fred R.McFadden: Pearson Education, New Delhi 2004.
7. Statistics made simple–do it yourself on PC, K.V.S. Sharma, PHI, 4<sup>th</sup> Edition.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>el>.
3. <https://elearneconomics.com>
4. <https://ocw.mit.edu>

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Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

**SEMESTER VI**  
**MANAGERIAL ECONOMICS**

**Teaching Hours: 90**

**Credits : 5**

**Course Code : EC18/E2 /MNE**

**LTP :3/3/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To enable the students to understand concepts in Managerial Economics.
- To make the students to understand the role of Capital Budgeting in business.
- To help them in Project Appraisal and Assessing Project Profitability.

**COURSE OUTLINE:**

**Unit I:** Managerial Economics-Definition –Nature –Scope and Methodology of Managerial Economics - Basic Tools of Managerial Economics - Role and Responsibilities of a Managerial Economist.

(15hrs)

**Unit II:** Demand Determinants - Demand Distinction – Demand Forecasting- Qualitative and Quantitative Methods of Forecasting-Importance and Limitation (Problems)

(20hrs)

**UNIT III:** Profit–Accounting and Economic Profit-Measurement-Profit Planning and Forecasting-Break Even Analysis-Uses of Break-Even Analysis (Problems).

(20hrs)

**UNIT IV:** Capital Budgeting– Cost of Capital– Project Profitability– Methods– Pay Back Period-Accounting Rate of Return –Internal Rate of Return- Net Present Value Method (Problems).

(15hrs)

**UNIT V:** Optimisation techniques with reference to Linear Programming- Graphical and Simplex Methods.

(20hrs)

**BOOKS FOR REFERENCE:**

1. Managerial Economics Concepts and Principles, Donald N Stengel, 2011, Business Expert Press.
2. Managerial Economics- D.N.Dwivedi , 2011 , Vikas Publishing House Pvt. Ltd.
3. Managerial Economics- P.L.Mehta, Sultan Chand and Sons, New Delhi, 2016.
4. Managerial Economics- Varshney. R.L and K.L. Maheswari, Sultan Chand and Sons, New Delhi, 2014.
5. Managerial Economics, Yogesh, Maheswari 2013 PHI Learning Pvt Ltd.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.economicdiscussion.com](http://www.economicdiscussion.com)
2. [www.decd.org>edu>leri](http://www.decd.org>edu>leri)
3. <https://oyc.yale.edu>



### QUESTION PAPER PATTERN:

COMPONENT	PATTERN	NATURE OF THE QUESTION	MAXIMUM MARKS
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts.	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

## SEMESTER VI

### AGRICULTURAL ECONOMICS

Teaching Hours: 90

Credits : 5

Course Code : EC18/E3/AGE

LTP : 3/3/0

#### COURSE OBJECTIVES AND OUTCOME:

- To study the Overview of Agriculture in Indian Economic Scenario.
- To enable the students to understand the various issues in the Indian Agriculture.
- To analyze the strategies for Agricultural development.

#### COURSE OUTLINE:

**UNIT I:** Role of Agriculture in Economic Development – Agriculture Development- Agricultural Production - Resource use & Efficiency – Trends in Agricultural growth in India – Inter-Regional variations in Growth of Output and Productivity.  
(15hrs)

**UNIT II:** Cropping Pattern Shifts – Supply of Inputs – Irrigation, Power, Seed and Fertilizers, Pricing of Inputs and Role of Subsidies, Sustainable Agriculture – Indigenous Practices – Bio-Technological Practices and Growth Potential – Organic Farming.  
(20hrs)

**UNIT III:** Principles of Land Utilization – Land distribution - Structure and Trends - Land Values and Rent – Land Tenures and Farming systems – Peasant and Capitalist - Collective and State Farming- Land Reform Measures and Performance – Problems of Marginal and Small Farmers - Poverty – Farmers Suicides - Gender Issues in Agricultural Services.  
(20hrs)

**UNIT IV:** Technical change – Labour Absorption – Rural Labour Supply – Interlocking of Factor Markets – Mobility of Labour and Segmentation in Labour Markets – Marginalisation of Rural Labour – Agricultural Wages in India – Non-Agricultural Rural Employment – Trends and Determinants.  
(20hrs)

**UNIT V:** Rural Saving and Capital Formation – Characteristics and Sources of Rural Credit – Institutional and Non-Institutional – Reorganisation of Rural Credit – Impact of Loan Waivers - Co-operatives, Commercial Banks, Regional Rural Banks - Role of NABARD – International Trade in Agricultural Commodities  
(15hrs)

**BOOKS FOR REFERENCE:**

1. Bilgrami, S.A.R. (1996), Agricultural Economics, Himalya Publishing House, Delhi.
2. Dantwala, M.L. et. al (1991), Indian Agricultural Development Since Independence , Oxford & IBH, New Delhi.
3. Government of India (Annual), Report of the National Commission on Agriculture, New Delhi.
4. Government of India, Economic Survey (Annual), New Delhi. 15
5. Gulati, A. and T. Kelly (1999), Trade Liberalisation and Indian Agriculture, Oxford University Press, New Delhi.
6. Joshi, P.C. (1975), Land Reforms in India: Trends and Prospects, Allied Publishers, Bombay.
7. Kahlon, A.S. and Tyagi D.S. (1983), Agriculture Price Policy in India, Allied Publishers, New Delhi.
8. Patel, Vibhuti (2002). Women's Challenges of the New Millennium, Gyan Publications, Delhi.
9. Rao, C.H. Hanumantha (1975), Agriculture Growth, Rural Poverty and Environmental Degradation in India, Oxford University Press, New Delhi.
10. Reserve Bank of India, Report on Currency and Finance (Annual), Mumbai.
11. Reddy - Agricultural Economics- Oxford & IBH Publishing. Co. Pvt. Ltd., 2006.
12. Rudra, A. (1982), Indian Agricultural Economics: Myths and Reality, Allied Publishers, New Delhi.

**WEBSITES AND e-LEARNING SOURCES:**

<https://elearneconomics.com>

[elearning.ec.unipi.gr](http://elearning.ec.unipi.gr)>elearning

<https://academicearth.org/economics>

### QUESTION PAPER PATTERN:

COMPONENT	PATTERN	NATURE OF THE QUESTION	MAXIMUM MARKS
Section A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts.	20 Marks
Section B	Answer any five out of eight (5 x 8= 40 marks)	Understanding Descriptions/ Problems	40 Marks
Section C	Answer any two out of four (2 x 20=40 marks)	Application/Analysis/ Synthesis/ Evaluation	40 Marks

Part A : Definition and Descriptions 10 questions, two from each unit.

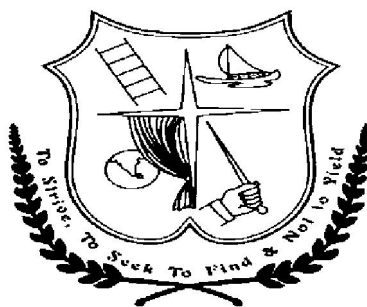
Part B : Can choose 5 questions, out of 8 covering all the five units.

Part C : Can choose 2 questions out of 4 questions covering all the five units.

**ETHIRAJ COLLEGE FOR WOMEN**

**(AUTONOMOUS)**

**Chennai - 600 008**



**POST GRADUATE & RESEARCH**

**DEPARTMENT OF ECONOMICS**

**M. A. ECONOMICS**

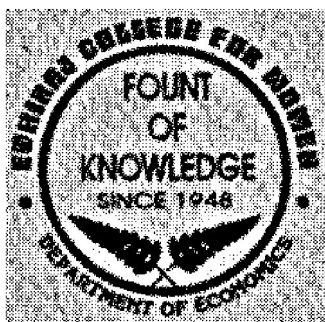
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**M. A. BUSINESS ECONOMICS**

**Syllabus**

**Choice Based Credit System**

*(Offered from the Academic Year 2018-2019)*



# **M. A. ECONOMICS**

## **SYLLABUS**

### **CHOICE BASED CREDIT SYSTEM**

*(OFFERED FROM THE ACADEMIC YEAR 2018-2019)*

**DEPARTMENT OF ECONOMICS**  
**REVISED SYLLABUS OF JUNE 2018**

Department of Economics is revising syllabi with effect from the academic year 2018-2019 with CBCS for M.A. Economics & M.A Business Economics as specified by the Government of Tamil Nadu that will seek to build the capacity of the students and provide inputs for their social service and social analysis capabilities.

Every academic year is divided into two semester sessions. Each semester will have a minimum of 90 working days and each day will have 5 working hours. Teaching is organized into a modular pattern of credit courses. Credit is normally related to the number of hours a teacher teaches a particular subject. It is also related to the number of hours a student spends learning a subject or carrying out an activity.

**PREAMBLE**

The Department of Economics submits changes and additions suggested in the PG curricula that are given in the ensuing pages.

- Reorganization of Courses in the PG programmes as specified by TANSCHHE
- Modification of course content in courses based on employability of the students and the needs of the industries.
- Changes in the course title based on revised contents of curricula and course titles.
- Introduction of new innovative courses.

**REGULATIONS**

**1. ELIGIBILITY FOR ADMISSION:**

Candidates for admission to the first year of the Degree of **M.A.Economics & M.A Business Economics** course shall be required to have passed B.A.Economics, B.Sc Mathematics, B.Sc Statistics /B.Com/B.B.A./B.B.M/B.Com (C.S) or any under graduate degree in social sciences conducted by the University of Madras or an Examination accepted as equivalent thereto by the Syndicate of the University of Madras.

## **2. ELIGIBILITY FOR THE AWARD OF DEGREE:**

A candidate shall be eligible for the award of the Degree only if she has undergone the prescribed course of study for a period of not less than two academic years and passed the examinations in all the four semesters prescribed.

## **3. COURSE OF STUDY:**

The main subject of study for Masters Degree shall consist of the following:

CORE COURSES

ELECTIVES

SOFT SKILLS

INTERNSHIP

## **4. PASSING MINIMUM:**

A candidate shall be declared to have passed in each paper/practical of the main subject of study wherever prescribed, if she secured NOT LESS THAN 50% of the marks prescribed for the examination.

## **5. CLASSIFICATION OF SUCCESSFUL CANDIDATES:**

Successful candidates passing the examination and securing the marks (i) 60 percent and above and (ii) 50 percent above but below 60 percent in the aggregate shall be declared to have passed the examination in the FIRST and SECOND class respectively.

Candidates who pass all the examinations prescribed for the course in the FIRST APPEARANCE ITSELF ALONE are eligible for ranking.



## 6. COURSE PROFILE:

SEM	COURSE CODE	TITLE OF THE PAPER	CREDITS	MARKS		
				CA	SE	T
I	3P18/1C/AMT// 8P18/1C/AMT	Advanced Micro Economic Theory	4	40	60	100
	3P18/1C/PUE	Public Economics	4	40	60	100
	3P18/1C/MFE// 8P18/1C/MFE	Mathematics for Economists	4	40	60	100
	3P18/1C/SFE// 8P18/1C/SFE	Statistical Methods for Economists	4	40	60	100
	3P18/1E1/ FNE// 8P18/1E1/ FNE	Financial Economics	3	40	60	100
	Soft Skill	Personality Enrichment for Women	2		50	50
II	3P18/2C/MEA// 8P18/2C/MEA	Macro Economic Theory and Analysis	4	40	60	100
	3P18/2C/HES	Health Economics	4	40	60	100
	3P18/2C/ECM// 8P18/2C/ECM	Econometric Methods	4	40	60	100
	3P18/2C/SCA// 8P18/2C/SCA	Statistics with Computer Applications	4	40	60	100
	3P18/2E2/MGE// 8P18/2E2/MGE	Managerial Economics	3	40	60	100
	3P18/2E/ HCM	Health Care Management	3	40	60	100
	Soft Skill	Interpersonal Communication	2		50	50
III	3P18/3C/IEY// 8P18/3C/IEY	Indian Economy	4	40	60	100
	3P18/3C/MOE// 8P18/3C/MOE	Monetary Economics	4	40	60	100
	3P18/3C/RMC// 8P18/3C/RMC	Research Methodology and Computer Applications in Economics	4	40	60	100
	3P18/3E3/ECS	Economics of Social Issues	3	40	60	100
	3P18/3E4/ EIS	Economics of Infrastructure	3	40	60	100
	3P18/3E/HAD	Hospital Administration	3	40	60	100
	3P18/3S/YML// 8P18/3S/YML	Yoga and Meditation for Better Living	2		50	50
IV	3P18/4C/EGD// 8P18/4C/EGD	Economics of Growth and Development	4	40	60	100
	3P18/4C/INE// 8P18/4C/INE	International Economics	4	40	60	100
	3P18/4C/ENE// 8P18/4C/ENE	Environmental Economics	4	40	60	100
	3P18/4C/PRJ	Project	4	40	60	100
	3P18/4E5/DEY	Demography	3	40	60	100
	3P18/4S/EMS// 8P18/4S/EMS	Employability Skills	2		50	50
		Internship	2			
	Total	91				

## 7. TEMPLATE FOR EVALUATION:

### CONTINUOUS ASSESSMENT

S.No	Course Code	Course Title	Continuous Assessment				
			Test I	Test II	Quiz/Assignment / Seminar	Participatory Learning	Total
<b>SEMESTER I</b>							
1.	3P18/1C/AMT// 8P18/1C/AMT	Advanced Micro Economic Theory	10	10	10	10	40
2.	3P18/1C/PUE	Public Economics	10	10	10	10	40
3.	3P18/1C/MFE// 8P18/1C/MFE	Mathematics for Economists	10	10	10	10	40
4.	3P18/1C/SFE// 8P18/1C/SFE	Statistical Methods for Economists	10	10	10	10	40
5.	3P18/1E1/ FNE// 8P18/1E1/ FNE	Financial Economics	10	10	10	10	40
<b>SEMESTER II</b>							
1.	3P18/2C/MEA// 8P18/2C/MEA	Macro Economic Theory and Analysis	10	10	10	10	40
2.	3P18/2C/HES	Health Economics	10	10	10	10	40
3.	3P18/2C/ECM// 8P18/2C/ECM	Econometric Methods	10	10	10	10	40
4.	3P18/2C/SCA// 8P18/2C/SCA	Statistics with Computer Applications	10	10	10	10	40
5.	3P18/2E2/MGE// 8P18/2E2/MGE	Managerial Economics					
6.	3P18/2E/ HCM	Health Care Management	10	10	10	10	40

### SEMESTER III

1.	3P18/3C/IEY// 8P18/3C/IEY	Indian Economy	10	10	10	10	40
2.	3P18/3C/MOE// 8P18/3C/MOE	Monetary Economics	10	10	10	10	40
3.	3P18/3C/RMC// 8P18/3C/RMC	Research Methodology and Computer Applications in Economics	10	10	10	10	40
4.	3P18/3E3/ECS	Economics of Social Issues	10	10	10	10	40
5.	3P18/3E4/ EIS	Economics of Infrastructure	10	10	10	10	40
6.	3P18/3E/HAD	Hospital Administration	10	10	10	10	40

### SEMESTER IV

1	3P18/4C/EGD// 8P18/4C/EGD	Economics of Growth and Development	10	10	10	10	40
2	3P18/4C/INE// 8P18/4C/INE	International Economics	10	10	10	10	40
3	3P18/4C/ENE// 8P18/4C/ENE	Environmental Economics	10	10	10	10	40
4	3P18/4C/PRJ	Project	10	10	10	10	40
5	3P18/4E5/DEY// 8P18/4E5/DEY	Demography	10	10	10	10	40

### 8. PATTERN FOR CONTINUOUS ASSESSMENT:

Test I	2 hrs	50 Marks	CA 10 Marks (converted)
Test II	2 hrs	50 Marks	10 Marks (converted)
Quiz/ Assignment/ Seminar/ Field Visits			10 Marks
Participatory Learning			10 Marks
Total			40 Marks

### 9. RUBRICS FOR CONTINUOUS ASSESSMENT EVALUATION:

<b>Assignment</b>	Contents/ Originality/ Presentation/ Schematic Representation and Diagram/ Bibliography
<b>Seminar</b>	Organization/ Subject Knowledge/ Visual Aids/ Confidence Level/ Presentation
<b>Participatory</b>	Answering Questions/ Clearing Doubts/ Participation in Discussion/ Attendance/ Communication and Language
<b>Problem Solving</b>	Understanding Concept/ Formula and Variable Identification/ Logical Sequence/ Answer
<b>Field Trip</b>	Participation/ Preparation/ Attitude/ Leadership
<b>Case Study</b>	Finding the Problem/ Analysis/ Solution/ Justification
<b>Project</b>	Preliminary Work/ Design/ Content/ Presentation

**M.A ECONOMICS  
SEMESTER I**

Core	Code	Title	Hours	Credits	CA	Sem	Total
Core: 1	3P18/1C/AMT// 8P18/1C/AMT	Advanced Micro Economic Theory (Common)	6	4	40	60	100
Core: 2	3P18/1C/PUE	Public Economics	6	4	40	60	100
Core: 3	3P18/1C/MFE// 8P18/1C/MFE	Mathematics for Economists (Common)	6	4	40	60	100
Core: 4	3P18/1C/SFE// 8P18/1C/SFE	Statistical Methods for Economists (Common)	6	4	40	60	100
Major Elective: 1	3P18/1E1/ FNE// 8P18/1E1/ FNE	Financial Economics (Common)	4	3	40	60	100
Soft Skills		Personality Enrichment for Women	2	2			
	Total		30	21			

**SEMESTER II**

Core: 5	3P18/2C/MEA// 8P18/2C/MEA	Macro Economic Theory and Analysis (Common)	5	4	40	60	100
Core: 6	3P18/2C/HES	Health Economics	5	4	40	60	100
Core: 7	3P18/2C/ECM// 8P18/2C/ECM	Econometric Methods (Common)	5	4	40	60	100
Core: 8	3P18/2C/SCA// 8P18/2C/SCA	Statistics with Computer Applications (Common)	5	4	40	60	100
Major Elective:2	3P18/2E2/MGE// 8P18/2E2/MGE	Managerial Economics (Common)	4	3	40	60	100
Extra Disciplinary Elective	3P18/2E/ HCM	Health Care Management	4	3	40	60	100
Soft Skills		Interpersonal Communication	2	2			100
	Total		30	24			

### SEMESTER III

Core	Course Code	Course Title	Hours	Credits	CA	Sem	Total
Core: 9	3P18/3C/IEY// 8P18/3C/IEY	Indian Economy (Common)	6	4	40	60	100
Core: 10	3P18/3C/MOE// 8P18/3C/MOE	Monetary Economics (Common)	5	4	40	60	100
Core: 11	3P18/3C/RMC// 8P18/3C/RMC	Research Methodology and Computer Applications in Economics (Common)	5	4	40	60	100
Elective 3	3P18/3E3/ECS	Economics of Social Issues	4	3	40	60	100
Elective 4	3P18/3E4/ EIS	Economics of Infrastructure	4	3	40	60	100
Extra Disciplinary	3P18/3E/HAD	Hospital Administration	4	3	40	60	100
Soft Skill	3P18/3S/YML// 8P18/3S/YML	Yoga and Meditation for better living (Common)	2	2			
	Total		30	23			

### SEMESTER IV

Core	Course Code	Course Title	Hours	Credits	CA	Sem	Total
Core: 12	3P18/4C/EGD// 8P18/4C/EGD	Economics of Growth and Development (Common)	6	4	40	60	100
Core: 13	3P18/4C/INE// 8P18/4C/INE	International Economics (Common)	6	4	40	60	100
Core: 14	3P18/4C/ENE// 8P18/4C/ENE	Environmental Economics (Common)	6	4	40	60	100
Core: 15	3P18/4C/PRJ	Project	6	4	40	60	100
Elective:5	3P18/4E5/DEY	Demography	4	3	40	60	100
Soft Skill	3P18/4S/EMS// 8P18/4S/EMS	Employability Skills (Common)	2	2			
	Total		30	21			

## SEMESTER – I

### ADVANCED MICRO ECONOMIC THEORY

Teaching Hours : 90

Credits : 4

Course Code : 3P18/1C/AMT//8P18/1C/AMT

LTP: 3/ 3/ 0

#### COURSE OBJECTIVES AND OUTCOME:

- To enable the students to understand the Advanced Theories of Consumer Behavior.
- To make the students understand the various Market Structure Models.
- To understand the non-conventional objectives of the firm.

#### COURSE OUTLINE:

**UNIT I:** Theory of Market Demand-A Pragmatic Approach to Demand Analysis – Constant - Elasticity of Demand Model – Distributed Lag Models -Linear Expenditure System - Indirect Utility and Expenditure Function– Roy’s Identity – Shepherd’s Lemma – Slutsky’s Equation. (20 hrs)

**UNIT II:** Oligopoly - Non-Collusive Oligopoly – Cournot’s Duopoly Model- Chamberlin’s Oligopoly Model- Paul. M Sweezy’s Model- Stackelberg’s Model - Collusive Oligopoly – Cartels - Price leadership. (20 hrs)

**UNIT III:** Behavioural Models - Baumol’s Sales Maximization Theory - Cyert and March Model - Marris Growth Model- Williamson Model-Limit Pricing. (15hrs)

**UNIT IV:** General Equilibrium –Walrasian System - 2 x 2 x 2 Model - Pareto Optimality Conditions – Tatonnement and Non-Tatonnement process – Social Welfare Function - Arrows Impossibility Theorem – Second Best Theory. (20 hrs)

**UNIT V:** Choice under Uncertainty — Neumann Morgenstern Index - Friedman-Savage Hypothesis- Markowitz Hypothesis- Hicks Logical Ordering. (15 hrs)

**BOOKS FOR REFERENCE:**

1. Baumol W J Economic Theory and Operations Analysis; Prentice Hall of India , New Delhi April 2018 (New Edition).
2. E.RoyWeintraub, General Equilibrium Theory, Macmillan London 1974.
3. George Joseph Stigler, Theory of Price, Prentice Hall of India, New Delhi 1996.
4. Hal R. Varian; Micro Economic Analysis , Affiliated East West Press, 2006.
5. Koutsoyannis; Modern Micro Economics, ELBS, Macmillan press,London 2013.

**WEBSITES AND e-LEARNING SOURCES:**

1. [elearning.ec.unipi.gr](http://elearning.ec.unipi.gr)>elearning
2. <http://www.coursera.org/learn/economics>
3. <https://academicearth.org/economics>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions / Problems Application / Analysis / Synthesis / Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.



## SEMESTER – I

### PUBLIC ECONOMICS

Teaching Hours : 90

Credits: 4

Course Code : 3P18/1C/PUE

LTP : 3/ 3/ 0

#### COURSE OBJECTIVES AND OUTCOME:

- To understand the theoretical analysis of Public Finance.
- To study the policy framework of Public Finance.
- To study the significance of government taxation and expenditure.

#### COURSE OUTLINE:

**UNIT I:** Public Finance –Meaning and Scope - Importance - Role of Public Finance in Developing Countries - Functions of the State and Role of Public Sector in the Economy. (15 hrs)

**UNIT II:** The Theory of Public and Private Goods – Efficiency of Public Goods – Private preference for Public goods –Voluntary Exchange Theory –Samuelson Theory-Externalities –Negative Externalities –Positive Externalities and Inefficiency- Lindahl Model. (15 hrs)

**UNIT III:** Public Expenditure – Canons of Public Expenditure – Reasons for the Growth of Public Expenditure -Wagner’s views on Public Expenditure –Peacock – Wiseman Hypothesis –Samuelson and Musgrave Approach –Colin Clark Hypothesis - Public Debt –Meaning – Causes –Classification - Sources - Burden – Kinds of Burden - Measurement of Debt Burden –Redemption of Public Debt. (20 hrs)

**UNIT IV:** Federal Finance –Allocation of Revenue -Resources between Centre and States –Central Resources - State List –Finance Commission –Functions – Major Recommendations of 13<sup>th</sup> and 14<sup>th</sup> Finance Commission - Local Finance –Meaning and Importance –Sources of Revenue for Local Governments –Role of Panchayat Raj – Gramsabha –Municipalities and Municipal Corporations (20 hrs)

**UNIT V:** Allocation of Resources – Opportunity Cost and Allocation - Efficient Allocation of Resources – Optimum Budget - Budget in India –Process – Procedure –Purpose and Principles of Budget –Types – Revenue and Capital Budget -Performance Budgeting –Principles of Budget - Green Budgeting- Gender Budgeting - Taxation – Sources of Revenue – Kinds –Direct Tax – Merits and Demerits –Income Tax – Proportional- Progressive –Regressive – Degrressive Tax –Double Taxation – GST – GST Council – GST Reviews. (20 hrs)

**BOOKS FOR REFERENCE:**

1. Lectures on Public Economics, Atkinson, A.B and J.E.Siglitz, Tata McGraw Hill, New York (1980).
2. Public Finance and Public Choice, John Cullis and Philip Jones, Oxford University Press Ist Edition, 1998.
3. Public Finance in Theory and Practice, R.A.Musgrave and P.B.Musgrave, McGraw Hill Publications, 5<sup>th</sup>Edition ,1989.
4. Public Finance, B.P.Tyagi Revised by Dr.H.P.Singh, Jai Prakash Nath& Co (2005)
5. Public Finance, Harvey Rosen, McGraw Hill Publications, 7thEdition, 2005.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://academicearth.org/economics>
2. <https://rescuoc.edu/>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions / Problems Application/Analysis/Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER – I

### MATHEMATICS FOR ECONOMISTS

Teaching Hours : 90

Credits: 4

Course Code : 3P18/1C/MFE// 8P18/1C/MFE

LTP : 3/ 3/ 0

#### COURSE OBJECTIVES AND OUTCOME:

- To enable Students to understand the application of Mathematical Tools to Economic Theories.
- To formulate Mathematical Models.

#### COURSE OUTLINE:

**UNIT I:** Vector and Matrix Algebra– Basic Operations – Trace - Rank and Inverse of a Matrix – Orthogonal Matrix – Partitioned Matrix – Elementary Transformation of a Matrix – Vector and Matrix Differentiation – Quadratic Form – Definite Matrices - Definition - Types and Properties – Positive Definite - Negative Definite.

(20 hrs)

**UNIT II:** Linear Equations - Consistency of a System of Linear Equations – Solution of a System of Linear Equations (homogenous and non-homogenous) – Linear Transformation – Eigen Values and Eigen Vectors.

(15 hrs)

**UNIT III:** Optimization Methods – Two and Three Variables – Unconstrained Optimization – Jacobian, Hessian – Constrained Optimization – Lagrangian.

(15 Hrs)

**UNIT IV:** Differential Equations types (elementary ideas) – Linear Differential Equations with Constant Coefficients (First, Second and Higher Order) – Solution of Differential Equations (Homogenous and Non-Homogenous) – Applications – Samuelson’s Accelerator and Multiplier Model.

(20 hrs)

**UNIT V:** Difference Equations- Finite Differences: Operators ‘E’ and ‘ $\Delta$ ’ – Linear Difference: Equations with Constant Coefficients (first, second and higher order) – Solution of Difference Equations (Homogenous and Non-Homogenous) – Applications – Samuelson’s Accelerator and Multiplier Model.

(20 hrs)

**BOOKS FOR REFERENCE:**

1. A.C. Chiang, Fundamental Methods of Mathematical Economics.
2. Carl. P. Simon – Lawrence Blume “Mathematics for Economist” Norton, 1994.
3. Edward T. Dowling, Mathematical Methods for Business and Economics, Schaums’s Outline Series (2002)
4. G. Hadley, Linear Algebra Addison – Wesley Publishing Company 1977.
5. K.Sydsaeter and P Hammond, Mathematics for Economic Analysis, Pearson Educational Asia, Delhi 2002.
6. Mabbett. Alan J “Workout for Mathematics for Economist” Macmillian 1986.
7. R.G.D. Allen, Mathematical Analysis for Economists Macmillan and Co. Ltd., 1938.
8. Renshaw, Geoff “Maths for Economics” Edition Oxford University Press 2005.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://ocw.mit.edu>
2. <https://www.edn.org>
3. <https://oyc.yale.edu>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions. (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**Questions to be included from all units for section A and B. Questions should be 80% problems and 20% theory.**

## SEMESTER – I

### STATISTICAL METHODS FOR ECONOMISTS

**Teaching Hours : 90**

**Credits: 4**

**Course Code : 3P18/1C/SFE // 8P18/1C/SFE**

**LTP: 3/ 3/ 0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To make students familiar with various Statistical Tools and their applications in Economic Analysis and Scientific Research Work.
- To develop skills in handling complex problems in Data analysis and Research designs.

#### **COURSE OUTLINE:**

**UNIT I:** Interpolation and Extrapolation –Newton’s and Lagrange’s Methods.

(15 hrs)

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

(20 hrs)

**UNIT III:** Simple, Partial and Multiple Correlation- Regression- Regression Lines- Multiple Regression.

(20 hrs)

**UNIT IV:** Univariate and Multivariate Techniques – Factor Analysis.

(15 hrs)

**UNIT V:** Vital Statistics – Sources – Errors in Census and Registration – Measurement of Population rate and Ratio of vital events – Measurement of Mortality - Crude Death Rate (CDR) - Specific Death Rate (SDR) - Infant Mortality Rate (IMR) and Standardized Death Rate (SDR) - Maternal Mortality Rate (MMR) - Morbidity Rate.

(20 Hrs)

**BOOKS FOR REFERENCE:**

1. Dr.T.K.V. Iyengar, Dr.B.Krishna Gandhi S.Ranganatham, Dr.M.V.S.S.N.Prasad – Probability and Statistics, S.Chand& Co 2015.
2. R.S.N. Pillai and V.Bagavathi, Statistics, Sultan & Chand Sons, New Delhi 2010.
3. S.C.Gupta Fundamentals for Statistics Himalaya Publications House Pvt. Ltd 2016.
4. S.P Gupta- Statistical Methods, Sultan Chand & Sons 2017.
5. Sancheti -D.C and V.K. Kapoor Statistical Theory-Method and Application, Sultan chand& Sons 2010.
6. SC. Gupta and V.K. Kapoor, Fundamentals of Mathematical Statistics 2014.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
2. <https://ocw.mit.edu>



**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**Questions to be included from all units for section A and B. Questions should be 80% problems and 20% theory.**

## SEMESTER – I

### FINANCIAL ECONOMICS

Teaching Hours : 60

Credits: 3

Course Code : 3P18/1E1/FNE//8P18/1E1/FNE

LTP:2 /2/ 0

#### COURSE OBJECTIVES AND OUTCOME:

- To understand the financial system of India.
- To have an insight about trading in the financial markets.
- To analyse the security system in financial markets.

#### COURSE OUTLINE:

**UNIT I:** Capital Market- Money Market- Primary Market - Definition - Kinds of Issues - General Conditions - Governing issues of shares in Primary Market - (a brief view) – Intermediaries involved in Primary Market.

(10 hrs)

**UNIT II:** Secondary Market - Definition - Securities dealt in Secondary Market - Listing of Securities –Meaning – Objectives - Classification of Listed Securities - Benefits of Listing to Companies and Investors - Stock Brokers - Types of Stock Brokers in Stock Exchanges

(15 hrs)

**UNIT III:** Stock Brokers - Underwriters- Advantages- Responsibilities - Depositories- Functions- Procedure - Benefits- Remedies- Credit Rating Agencies- Benefits- Instruments- Investors- Company - Basic types.

(10 hrs)

**UNIT IV:** OTCEI - Insider Trading - Online Trading System - Meaning – SEBI - Objectives - Administration and Activities of SEBI - SEBI and Primary Market - SEBI and Secondary Market / Vanilla Interest Rate Swaps – Swaptions - other types of Swaps – Currency - Equity and Commodity Swaps - Rating Derivatives

(15 hrs)

**UNIT V:** Merchant Banking- Recognition-Conditions - Role- Functions- Mutual Funds- Classification-Benefits- Performance -Venture Capital - Importance - Types

(10 hrs)

**BOOKS FOR REFERENCE:**

1. B.Santhanam, Financial services (Indian Financial system) Morgham Publication 2016.
2. Financial market-Institutions and services, N.K.Gupthan & Monika –Ane Book PVT Ltd – Delhi (2002)
3. Financial Markets and Financial Services in India, Benson Kunjukunju & S.Mohanan -New century Publications-Delhi (2004)
4. Indian Financial system, H.R.Modi Raja Financial services in India-Rajesh Kothari (2002).

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>el>.

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER – II

### MACRO ECONOMIC THEORY AND ANALYSIS

Teaching Hours : 75

Credits: 4

Course Code : 3P18/2C/MEA // 8P18/2C/MEA

LTP : 3/ 2/ 0

#### COURSE OBJECTIVES AND OUTCOME:

- To enable students to understand the advanced theories of Macro Economics.
- To facilitate the students to understand Macro Economic Policies and Tools.
- To equip the students in understanding the various Macro Economic Models.

#### COURSE OUTLINE:

**UNIT I:** Classical Theory of Income and Employment Determination with Saving and without Saving – Keynesian theory of Income Determination – Aggregate Demand and Aggregate Supply.

(15 hrs)

**UNIT II:** Consumption Function – Keynesian Psychological Theory – Investment Function – MEC - MEI - Multiplier- Accelerator- Super Multiplier- Fiscal and Monetary Tools.

(15 hrs)

**UNIT III:** General Equilibrium in the Product and Money Market- Hicks and Hansen – Non-Walrasian – Disequilibrium Theory – Robert W.Clower – Axel Leijonhufvud.

(15 hrs)

**UNIT IV:** Business Cycle Model- The Samuelson Model - The Hicksian Model- The Goodwin- Kaldor - Schumpeter and Cobweb Model.

(15 hrs)

**UNIT V:** Kalecki's Model- Cartters Model- Kaldor's Savings-Investment Model- Weintraub's Model.

(15 hrs)

**BOOKS FOR REFERENCE:**

1. Ackley, Gardner, 1978, Macro Economic Analysis: Theory and Policy, Macmillan Publishing Co, New York.
2. Ahuja, H., 2005, Macro Economics Theory and Policies Advanced Analysis, Ed. 10, Indiana Books and Journals, Chennai.
3. Brooman, F., 1963, Macro Economics, George Allen and Unwin Ltd, London.
4. Duesenberry J.S. Income, Savings and the Theory of Consumer Behaviours Harvard, 1940.
5. Koutsoyiannis.A, Macro Economics, Macmillan Press Ltd. London, 1975.
6. MontechAhluwalia, 2002, Macroeconomics and Monetary Policy, T. Publications, New Delhi.
7. N.GregoryMankiw, Macroeconomics, Worth Publishers, 7th edition, 2010.
8. Olivier Blanchard, Macroeconomics, Pearson Education, Inc., 5th edition, 2009.
9. Paul R. Krugman, Maurice Obstfeld and Marc Melitz, International Economics, Pearson Education Asia, edition, 2012.
10. Powelson, J.P.National Income and Flow of Funds Analysis, McGraw Hill Company Limited, New York, 1960.
11. Raghbendrasa, 1991, Contemporary Macroeconomic Theory and Policy, Ed. 25, Wiley Eastern Ltd., New Delhi.
12. Richard T. Froyen, Macroeconomics, Pearson Education Asia, 2nd edition, 2005.
13. Richard.T.Froyen, Macro Economics- Theories and Policies, Pearson (2004)
14. Shapiro, Edward, 1988, Macro Economic Analysis, Galgotia Publications Pvt Ltd, New Delhi.
15. Surrey, M.J.C. (Ed), Macro Economic Themes, OUP, Oxford, 1976.
16. Vaish, M., 1999, Macro Economics, Vikas Publishing House Pvt Ltd, Mumbai.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>el>.

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions / Problems Application /Analysis / Synthesis / Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**SEMESTER II**  
**HEALTH ECONOMICS**

**Teaching Hours: 75**

**Credits: 4**

**Course Code : 3P18/2C/HES**

**LTP : 3/2/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To have an insight into the Health Policy and alternative medicines.
- To Study the growth of Health Tourism.
- To Study the Cost - benefit analysis in Health Care.

**COURSE OUTLINE:**

**UNIT I:** The National and International Health Scene - Health Output and Indicators and their Correlation with the level of economic development – Hospitals in Rural and Urban India – Measures taken by Government - A review of the Indian National Health Policy.

(10 hrs)

**UNIT II:** Resource Allocation in the Health Sector - Resource allocation Problems in private and government Hospitals – The Problem of multiple services of a Hospital – Pricing of these services and the choice of the mix of services – The tradeoffs between quantity and quality – Production Function – Productive Efficiency and equity considerations applied to the hospital sector - Spatial Distribution of health care facilities and services – the demand for health services and the role of physician – the pharmaceutical companies.

(15 hrs)

**UNIT III:** Evaluation of benefits and cost of health services - private benefits and private cost of providing health services – the failure of the market to provide essential health services – the provision of health services by the government – the application of benefit cost analysis to public health and family planning projects – the role of health in economic development- value of output lost due to number of sick days - Benefits and Costs (both private and social) of training to professional manpower such as physicians – dentist, pharmacists, nurses.

(20 hrs)

**UNIT IV:** Financing of Health services - the need for a general health insurance – the need for special insurance for the poor - disabled and the aged- A comparative analysis of alternative payment system - prepayment scheme – saving linked direct insurance system etc - Financing health service through specific (health cess) and general (direct and indirect taxes) local government revenues – the role of Financing Institutions in financing health services.

(15 hrs)

**UNIT V:** Growth of Allopathy - Homeopathy - Indian Traditional Medicine – Educational Institutions in India & Growth of Medical Tourism in India.

(15 hrs)



**BOOKS FOR REFERENCE:**

1. Banerjee, D. (1975), social and Cultural Foundations of Health Service Systems of India, Inquiry, Supplement to Vol. XII, June 1975.
2. Edwin G Dolan and John C Goodman: Economics of Public Policy: 4<sup>th</sup> Edition: West Publishing Company, New York 1995.
3. Higher Education Reform in India – 1993 – Suma Chitnis and Philip Altbach Sage – New Delhi, 1993.
4. M. Grossman, 'The Shadow price of Health in the Economics of Health' Vol. 1 by A.J. Culyes (ed) (1991), Edward Elger publishing Ltd, UK. 2000.
5. Volan Brian (1993) Economics Incentives, Health Status and Health services, Utilisation, Journal of Health Economics, Vol II. 1993.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.decd.org>edu>leri](http://www.decd.org>edu>leri)
2. [www.gettingsmart.com](http://www.gettingsmart.com)

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
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Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER – II

### ECONOMETRIC METHODS

Teaching Hours: 75

Credits: 4

Course Code : 3P18/2C/ECM // 8P18/2C/ECM

LTP : 3/ 2/ 0

#### COURSE OBJECTIVES AND OUTCOME:

- To enable students to understand the essential quantitative tools to make decision making a rational process.
- To learn the technique of finding optimal solutions in a dynamic business environment.

#### COURSE OUTLINE:

- UNIT I:** Regression Analysis - Linear Regression Model – Two Variables and Multi Variables – BLUE property – General and Confidence Approach to Hypothesis Testing – Partial Effects and Elasticity – Goodness of fit - Extension of Linear Regression Models - Definition, Sources - Consequences and Detection of Multicollinearity – Heteroscedasticity - Autocorrelation and Remedial Measures. (15 hrs)
- UNIT II:** Dummy Variables - Regression on Qualitative and Quantitative Variables - Dummy Variable Trap – Structural Stability of Regression Models – Chow Test – Deseasonalisation - Piecewise Linear Regression Model. (15 hrs)
- UNIT III:** Distributed Lag Models - Formation of Expectations - Naïve Expectation Versus Adaptive Expectations Models – Partial Adjustment Models - Distributed Lag Models - Koyck's Model – Almon Lag - Polynomial Distributed Lag Models - End Point Restriction– Rational Expectation Models. (15 hrs)
- UNIT IV:** Simultaneous Equation Methods – Approaches to Estimation – Recursive Models and Ordinary Least Squares – Estimation of Just - over and under Identified Equation - The Method of Indirect Least Squares (ILS) – Estimation of an over identified equation - The Method of Two – Stage Least Squares (2SLS). (15 hrs)
- UNIT V:** Time Series Analysis - Time Series Econometrics: Forecasting – Approaches to Economic Forecasting – AR - MA and ARIMA Modeling of Time Series Data – Box-Jenkins (BJ) Methodology – ARCH and GARCHs. (15 hrs)

**BOOKS FOR REFERENCE:**

1. Brooks, C., Introductory Econometrics for Finance, first edition, Cambridge University Press, 2003.
2. Gujarati, N.D., Basic Econometrics, fourth edition, McGraw Hill, 2003.
3. Johnston, J., Econometric Methods, third edition, McGraw Hill, 1984.
4. Ramanathan, R., Introductory Econometrics with applications, fifth edition, Thomson Asia Private Limited, 2002.
5. Wooldridge, J., Introductory Econometrics: A Modern Approach, South-Western, 2009.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
2. <https://ocw.mit.edu>
3. <https://www.edn.org>

**QUESTION PAPER PATTERN:**

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Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**Questions to be included from all units for section A and B. Questions should be 80% problems and 20% theory.**

## SEMESTER – II

### STATISTICS WITH COMPUTER APPLICATIONS

Teaching Hours: 75

Credits: 4

Course Code : 3P18/2C/SCA // 8P18/2C/SCA

LTP : 2/2/1

#### COURSE OBJECTIVES AND OUTCOME:

- To make students familiar with various Statistical Tools and their applications in Economic Analysis for Scientific Research Work.
- To develop skills in handling complex problems in Data Analysis and Research design.

#### COURSE OUTLINE:

- UNIT I:** Sampling Theory- Types of Sampling -Sampling Distributions and Standard Error of-Means - Standard Deviation and Proportions - Testing of Hypothesis - Level of Significance - Type I and Type II Error - Large Sample test for Two Means - Two Standard Deviations and Two Proportions. (15 hrs)
- UNIT II:** Estimator and Estimate – Point and Interval Estimates – Reliability of an Estimate – Sampling Variance and Mean Square Error – Properties of a good estimator. (15 hrs)
- UNIT III:** Small Sample Test – t-test- Paired t- test - Chi-square Test- Test of Goodness of Fit – Test of Homogeneity - Test of Independence of Two Attributes. (15 hrs)
- UNIT IV:** F test – Analysis of Variance- One Way and Two Way Classifications. (15 hrs)
- UNIT V:** Introduction – Statistical Data Files- Statistical Workbook – Installation – Data Spreadsheet Toolbar - Scroll Sheet Applications- Diagrams and Graphs - Elementary concepts in Statistics – Application in Computer – Correlation, Multiple Correlation - Regression – Multiple Regression – ANOVA (**Practical Examination only. No question for End Semester Examination**) (15 hrs)

**BOOKS FOR REFERENCE:**

1. Dr.T.K.V. Iyengar, Dr.B.Krishna Gandhi S.Ranganatham, Dr.M.V.S.S.N.Prasad – Probability and Statistics, S.Chand& Co 2015.
2. R.S.N. Pillai and V.Bagavathi, Statistics, Sultan & Chand Sons, New Delhi 2010.
3. S.C.Gupta Fundamentals for Statistics Himalaya Publications House Pvt. Ltd 2016.
4. S.P Gupta- Statistical methods, Sultan Chand & Sons 2017.
5. Sancheti -D.C and V.K. Kapoor Statistical theory-Method and Application, Sultan chand& Sons 2010.
6. SC. Gupta and V.K. Kapoor, Fundamentals of Mathematical Statistics 2014.

**WEBSITES AND e-LEARNING SOURCES:**

1. [elearning.ec.unipi.gr](http://elearning.ec.unipi.gr)>elearning
2. <http://www.coursera.org/learn/economics>
3. <http://www.springboard.com>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**Questions to be included from all units for section A and B. Questions should be 80% problems and 20% theory.**



## SEMESTER II

### MANAGERIAL ECONOMICS

**Teaching Hours : 60**

**Credits: 3**

**Course Code : 3P18/2E2/MGE//8P18/2E2/MGE**

**LTP: 4/0/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable students to understand the Models and Managerial Theories of the firm.
- To equip them in selecting projects under risk and uncertain conditions.

#### **COURSE OUTLINE:**

**UNIT I:** Definition of Economic Models – Types of Models – Analysing Cases in Managerial Economics – Usefulness of Case Study Method – Limitations of Case Study Method.

(15hrs)

**UNIT II:** Inventory Management- Types of Inventory - Methods of Inventory Control – EOQ – ABC - VED Analysis.

(10hrs)

**UNIT III:** Role of Government in Market Economy – Legal and Social Framework – Restraining Unfair Competition – Increasing Market Power – Reallocation of Resources – Redistribution of Income – Regulation of Natural Monopoly – Stabilisation of the Economy.

(15hrs)

**UNIT IV:** Risk in Project Analysis – Selection of a Project – Finite Horizon Method Certainty – Equivalent Approach – Decision Tree Approach – Sensitivity Analysis – Capital Budgeting – IRR – NPV.

(10hrs)

**UNIT V:** Forecasting - Economics and Business Forecasting Methods of Economic Forecasting – Evaluating Forecasts

(10hrs)

### **BOOKS FOR REFERENCE:**

1. Arnold, Chapman, Introduction to Material Management: Pearson, 5<sup>th</sup> Edition, 2008.
2. Eugene F Brigham, “Financial Management Theory and Practice”, 2<sup>nd</sup> Hinsdale III – the Dryden Press, 2014.
3. Idenbaum, M.L (1979), “Business, Government and the Public, Englewood Cliffs, N.J Prentice Hall, India.
4. M. M.Varma, “Materials Management “Sultan Chand & Sons, Fourth Ed, New Delhi 2003.
5. Metha.P.L.,”Managerial Economics – Analysis, Problems and . Cases”, Sultan Chand &Sons, New Delhi, 2016.
6. Michael R Baye – Managerial Economics & Business Strategy – Mc. Graw Hill, USA, 5<sup>th</sup> Edition 2006.
7. Teman, D.R. and Stone Hill A.L., “Multi National Business Finance”, Pearson Prentice Hall, 2012.
8. W.Bruce Allen, Neil A.Doherty, Keith Weigelt& Edwin Masfield – Managerial Economic Theory, Applications and Cases, W.W.Norton Company, London, 6<sup>th</sup> Edition, 2005.

### **WEBSITES AND e-LEARNING SOURCES:**

1. [www.gettingsmart.com](http://www.gettingsmart.com)
2. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
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**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**Questions to be included from all units for section A and B. Questions should be 80% problems and 20% theory.**

## SEMESTER – II

### HEALTH CARE MANAGEMENT

Teaching Hours : 60

Credits: 3

Course Code : 3P18/2E/HCM

LTP: 3/1/0

#### COURSE OBJECTIVES AND OUTCOME:

- To enable students to understand about the health care administration and medical care.
- To expose the students to Health Insurance and First Aid.

#### COURSE OUTLINE:

**UNIT I :** Definition of Health – Health as a Component of Human Resource Development – Health as a Commodity and Service – Scope of Health Management.

(10hrs)

**UNIT II :** Health Awareness – Health Education - Approaches to Health Education - Health Education and Health Services – Planning Health Education.

(10hrs)

**UNIT III:** Health Management – Preventive Care and Curative Care – Individual Health Care – Role of the State in Health Care – Privatization and Health Care – Rural Health Care – Tele Medicine.

(15hrs)

**UNIT IV:** Health Insurance – Private – Government – Recent Trends.

(10hrs)

**UNIT V:** First Aid – Need for First Aid – Methods of First Aid – Medical Tourism – Health Tourism in India.

(15hrs)

**BOOKS FOR REFERENCE:**

1. Health Care Management – Kieran, Walshe, et.al, 2011, Mc.Graw Hill Education UK.
2. Health Care Management – Pradeep, Bharadwaj, 2015, Jaypee Publications, Delhi.
3. Health Care Management – Rose T Dunn, 2010, Ninth Edition Health Administration Press US.
4. Health Care Management Organisation, Design and Behaviour- Lawton Robert Burns et.al., 2012, DELMAR, Cengage Learning, USA.
5. Introduction to Health care Management – Nancy H Shanks and Sharon B Buchbinderi, Feb 2007, Jones and Bartleth Learning Canada.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.gettingsmart.com](http://www.gettingsmart.com)
2. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
3. <https://ocw.mit.edu>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER – III

### INDIAN ECONOMY

**TEACHING Hours: 90**

**Credits: 4**

**Course Code: 3P18/3C/IEY//8P18/3C/IEY**

**LTP: 3/3/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To understand the structure of Indian Economy.
- To familiarize students with the Sectoral Dimension of Indian Economy.
- To analyse the various recent economic policies.

#### **COURSE OUTLINE:**

- UNIT I:** Features of Indian Economy - Indicators of Development - Human Development Index (HDI), Gender Development Index (GDI), PQLI, DAILYs, Happiness Index- Rank of India- The Theory of Demographic Transition –Size and Growth of Population in India –Birth Rate –Death Rate – The Sex Composition of Population –Age Composition –Density of Population –Urbanisation  
(20 hrs)
- UNIT II:** Meaning, Types and Models- Mahalanobis - Input Output Multi - Sectoral Model– Planning Commission – Overview of Indian Five Year Plans - Eleventh and Twelfth Five Year Plans – Objectives- Evaluation and Appraisal- NITI Aayog.  
(20 hrs)
- UNIT III:** Agricultural Growth – Major Factors Affecting Growth Potential – Agricultural Crisis and Rural Distress – Crop Insurance – Organic Farming – Agriculture Price Policy – Minimum Support Price linked with Production Cost – Food Management and Food Security.  
(15 hrs)
- UNIT IV:** Industrial Growth – Index of Industrial Production – Performance of the Eight Core Industries – FIRE Sector – MSME – Make in India – Start Up India – Implementation of GST and its impact on Industrial sector.  
(20 hrs)
- UNIT V:** FDI – Types – Trends in FDI inflows – Sectoral Composition – FDI Policy – FDI Inflows and its Impact on Indian Economy.  
(15 hrs)

**BOOKS FOR REFERENCE:**

1. Economic survey – vol.2, Government of India, Ministry of Finance, Department of Economic affairs, Economic Division, August 2017.
2. Indian Economy, Dhingra I.C, S.Chand and Sons 2011.
3. Indian Economy, Dutt and Sundaram, S.Chand and Sons, 2013.
4. Planning Commission Reports, GOI, Various Issues.
5. Uma Kapila, “Indian Economy – Performance and Policies”, 16<sup>th</sup> Edition – Academic Foundation, New Delhi 2015-16.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
2. <https://ocw.mit.edu>
3. <https://www.edn.org>



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Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER-III

### MONETARY ECONOMICS

**Teaching Hours: 75**

**Credits : 4**

**Course Code : 3P18/3C/MOE//8P18/3C/MOE**

**LTP : 3/2/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable students to understand the concept of money and the theoretical and empirical dimensions of monetary system.

#### **COURSE OUTLINE:**

- UNIT I:** Demand for Money – The Classical Quantity Theory of Money – Cash Balance - Keynesian Theory of Demand for Money – The Post Keynesian Theory- Milton Friedman - W.J.Baumol - James Tobin – Don Patinkin’s Real Balance Effect – Transmission Mechanism of Monetary Policy. (15 hrs)
- UNIT II:** Supply of Money – Measures of Money Supply – Determination of Money Supply – Currency Circulation in India – Empirical Relationship between Money Supply and Prices. (15 hrs)
- UNIT III:** Implementation of Basel Norms – Capital Adequacy Ratio - Commercial Banks – Balance Sheet Analysis – Financial Indicators – Current ratio / Liquidity ratio – Debt-equity ratio – Tangible Network Operative Income – Return on Investment – Assets – Bankruptcy – Insolvency Code Act (15 hrs)
- UNIT IV:** Financial Intermediaries – Non Banking Financial Intermediaries (NBFI) – Nature – Functions – Money and Capital Market in India. (15 hrs)
- UNIT V:** Phillip’s & Long Run Phillip’s Curve - Monetary Policy – Expansionary and Restrictive Monetary Policy - Time Lags in Monetary Policy- Recent Indian Monetary Policy - Demonetisation and its Impact. (15 hrs)

### **BOOKS FOR REFERENCE:**

1. Don Patinkin Money, Interest and Price: An Intepretation of Monetary and Value Theory. A Harper, International Edition.
2. Gold Field and Chandler , The Economics of Money and Banking, Harper and Row, Newyork (2005).
3. Handbook of Monetary Economics Volume 3, (2010), Online Version –Science Direct.com.
4. M.L.Seth - Money, Banking, International Trade and Public Finance - Lakshmi Narian Agarwal – 2017.
5. Monetary Economics – An Integrated Approach to Credit, Money, Income, Production and Wealth – Godley, W.Lavole.M. (2012).
6. R.R.Paul, Monetary Economics, Kalyani Publishers, 2015.
7. Rituparna Das, “Determination of Money Supply in India: The Great Debate, “Working Paper Series, and June 2009.
8. Weekly Statistical Supplement – RBI.

### **WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>el>.

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER-III

### RESEARCH METHODOLOGY AND COMPUTER

#### APPLICATIONS IN ECONOMICS

Teaching Hours: 75

Credits : 4

Course Code : 3P18/3C/RMC//8P18/3C/RMC

LTP : 2/2/1

#### COURSE OBJECTIVES AND OUTCOME:

- To understand the research, the research process in a scientific manner.
- To assist the students in preparing project dissertation and proposals.
- To learn the computer applications in Economic research.

#### COURSE OUTLINE:

**UNIT I:** The Scientific Approach – Aims of Social Sciences –Scientific Sciences – Scientific Revolution – Role of Methodology – Research Process – Conceptual Foundation of Research – Economic Theory and Methods – Axiomatic, Mathematical and Historical Methods – Theory, Models and Empirical Research – Basic Elements in Research – Identification of a Research Problem – Hypothesis Formulation and Testing – Research Process – Ethics in Research.

(15 hrs)

**UNIT II:** Principles and Process in Data Collection – Primary Data – Case Study Method–Survey Research – Sample Selection – Sampling Design – Preparation of Structure Interview Schedule – Construction of Questionnaire – Pilot Study – Classification and Tabulation – Diagrammatic Representation – Secondary Data – Sourcing of Data for India and Tamil Nadu – Census of India, NSSO, Economic Survey , RBI Report , Agricultural Census, Annual Survey of Industries.

(15 hrs)

**UNIT III:** Concept of Data, Record and File – Type of Data and Data Structure – Data – File handling and operations – Data storage and retrieval – Data Operations – Algorithms like Sorting , Merging, Joining and Bifurcation – Data Base Concept and Operation on Data Base.

(15 hrs)

**UNIT IV:** Series – Group tables – Groups and objects – Time and Frequency Series – Regression Methods and Techniques – Regression Analysis – Trends and Forecasting – Report writing – Plan of Research report – Style & Mechanics of writing Research report.

(15 hrs)

**UNIT V:** Application of Software to Economic Research – (Practical Classes).

(15 hrs)

**BOOKS FOR REFERENCE:**

1. Bhattarya S.K., 1990, Methodology in Research.
2. Das Gupta, 1995, Methodology in research.
3. Feber and Verdorn, Research Methods in Economics and Business (2005)
4. Goode, 1983, William J and Paul K Hatt, Methods in Social Research, McGraw Hill International Book Co., London.
5. Young, Pauline V, 1977, Scientific Social Surveys and Research, Prentice Hall of India, New Delhi.
6. C.Rangarajan – GOI –Commission for Statistics.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>el>.
3. <https://elearneconomics.com>

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Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER- III

### ECONOMICS OF SOCIAL ISSUES

Teaching Hours : 60

Credits : 3

Course Code : 3PI8/3E3/ECS

LTP : 3/1/0

#### COURSE OBJECTIVES AND OUTCOME:

- To help students demonstrate how Economic Analysis can be applied to variety of Personal, Societal and International Issues.
- To enable students gain Factual Knowledge about the Societal Issues.
- To help students to understand the Crux of Social Issue and help to make independent analysis and judgment on Contemporary Issues.

#### COURSE OUTLINE:

- UNIT I:** Social Economics- Definition –Scope –Equality in Human Societies – Principles of Social Doctrines – Gandhi –Karl Marx – Max Weber – Voltaire – Rosseau – Gandhi – Social problems - Urban and Rural. (10 hrs)
- UNIT II:** Poverty - Global Poverty (an assessment) - Causes and Consequences of Poverty – Sustainable Development - Role of Poverty Social Security –Social Banking –Migration related poverty issues – Slums – Remedial Measures. (10 hrs)
- UNIT III:** Unemployment-Meaning – Types – Causes – Employment in Organized and Unorganized Sectors – Work Participation Rates – Wages – Standard of Living – Unemployment and Social Unrest. Self Help Groups- Nature - Structure and Objectives of Self Help Groups –SHG and Worker’s Empowerment –SHG in India (15 hrs)
- UNIT IV:** Human Capital -Components of Human Capital –Issues related to Secondary and Higher Education – Health and Health related Issues in Development – Human Development Index – Gender Development Index. (10 hrs)
- UNIT V:** Economics of Black Economy and Crime- Black money - Definition – Sources – Corruption - Parallel Economy - Economic Issues –Causes and Consequences-Remedies-Consumerism –Cyber Crime – Hacking, Attack Vectors, Mobile Security Issues - Digital Crime – Crime against Women and Children - Human Rights Violation –Dimension of Terrorism. (15 hrs)



**BOOKS FOR REFERENCE:**

1. Culyer A.J. (1973) *The Economics of Social Policy*, Martin Robertson and Co Ltd, London.
2. Dreze Jean and Amartya K Sen (1989) *Hunger and Public Action*, Clarendon Press, Oxford.
3. Harbinson Frederick and Charles A. Meyers (1964) *Education Man Power and Economic Growth: Strategies of HRM*, McGraw Hill Book & Co, New York.
4. Legrand Julian and Ray Robinson (1976) *The Economics of Social Problems*, The Mac Milan Press & Ltd, London.
5. Lutz Mark and Kenneth Lux (1979) *The Challenge of Humanistic Economics*, the Benjamin / Cummings Publishing Co, California.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.gettingsmart.com](http://www.gettingsmart.com)
2. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
3. <https://ocw.mit.edu>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER – III

### ECONOMICS OF INFRASTRUCTURE

**Teaching Hours : 60**

**Credits: 3**

**Course Code : 3P18/3E4/EIS**

**LTP : 3/1/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable the students to understand the development of Infrastructure over the period of time.
- To have an insight of contribution of Infrastructure to Economic Development.
- To identify the strategies required for the growth of the Economy in the present scenario.

#### **COURSE OUTLINE:**

**UNIT I:** Infrastructure and Economic Development – Infrastructure as a Public Good; Social and Physical Infrastructure; Special Characteristics of Utilities - Peak – load, Off- Load problem - Dual Principal Controversy (10 hrs)

**UNIT II:** The Structure of Transport Costs and Location of Economic Activities - Demand Transport - Models of Freight and Passenger Demand - Models Choice; Cost Function in the Transport Sector - Principle of Pricing - Special Problems of Individuals Modes of Transport – Impact on Economic Development. (15 hrs)

**UNIT III :** Private Sector Participation in Communication - Primacy of Energy in the process of Economic Development – Factors Determining Demand for Energy – Effects of Energy Shortage – Energy Conservation – Renewable and Non – Conventional Sources of Energy – The search for an Optimal Energy Policy in Indian context. (15 hrs)

**UNIT IV:** Organization and Financing of Services – Private vs. Public Sector Financing – The fixation of Prices of Social Services – Health - Education - Human Development – Scope and Relevance of Human Resource Development – Education and Economic Growth – Educational planning – Social Demand – The case for Universal – Free - Primary Education - Structure of Higher Education and Problems of Financing in India - Issues in Education Policy – Importance of Health and its Impact on Economic Development. (10hrs)

**UNIT V:** Infrastructure in Modern India – Strategies for Infrastructure Development – Differences in infrastructure building between China and India - Infrastructure Investments in India – Prioritisation of Infrastructure sectors for Development – Macro perspective of Infrastructure Development in India – Infrastructure and plans. (10 hrs)

**BOOKS FOR REFERENCE:**

1. Abel-smith, Brian wolper L.F and Pena.J In Introduction to Health : Policy, planning and financing, Longman Group Limited, England.
2. Crew, M.A. P.R. Kleindorfer (1979), Public Utility Economics, Macmillan, London.
3. Gayal , S.K (Ed.) (1995), Public Enterprises, Indian Institute of Public Administration, New Delhi.
4. Health care Administration, 2000. (Principles and practice) An Aspen publication, Maryland, USA.
5. Indian Council of Social Sciences Research (ICSSR) (1976), Economics of infrastructure, Vol . VI New Delhi.
6. Infrastructure Report: India Infrastructure – Oxford University Press (Revised Edition) 3. Nanjudappa – Economics of Transport, 2011.
7. Indian Infrastructure, Govt. of India Publication 2017
8. World Bank Infrastructure Report 1994.
9. Infrastructure Committee, GOI 2017.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.economicdiscussion.com](http://www.economicdiscussion.com)
2. [www.decd.org>edu>leri](http://www.decd.org>edu>leri)
3. [www.gettingsmart.com](http://www.gettingsmart.com)

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER – III

### HOSPITAL ADMINISTRATION

**Teaching Hours : 60**

**Credits: 3**

**Course Code : 3P18/3E/HAD**

**LTP :3/1/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable students to understand the theoretical fundamentals of hospital administration along with a practical exposure.

#### **COURSE OUTLINE:**

**UNIT I :** Definition of Hospital Administration – Administrative Functions – Modern Techniques – Health Care Marketing – Challenges in Hospital Administration.

(10hrs)

**UNIT II :** Accounting Principle – Systems – Budgeting Process- Depreciation.

(10hrs)

**UNIT III:** Human Resources Planning - Application to Staffing – Management of Doctors Unit - Management of Nursing Unit - Supporting Unit - Quality of Care.

(15hrs)

**UNIT IV:** Information and Communication in Hospital Administration - Barriers to Communication – Electronic Maintenance of Records.

(15hrs)

**UNIT V :** Medical Ethics – A Case Study of Private Hospital Administration (Multi-Speciality Hospital-Super Hospital-Corporate Hospitals).

(10hrs)

### **BOOKS FOR REFERENCE:**

1. Goel .S.L, Health Care Administration Vol; I & II, III, Sterling Publications, 1981.
2. Hospital Administration A Problem – Solving Approach Amarjeet Singh SonuGoel and AnilKumar Gupta Dec 2013 Elsevier India Netherlands.
3. Hospital Administration Principles and Practices Yaspal Sharma RK Sharma Libert Anil Gomes 2013 Jaypee Brothers Medical Publication Pvt. Ltd New Delhi.
4. La Monic Morgan. P.I., Management in Health Care, Macmillan Press Ltd London 1994.
5. Principles of Hospital Administration – DC Joshi Mamta Joshi – Jaypee Brothers Medical Publication Pvt. Ltd -2008 – New Delhi.
6. Principles of Hospital Adminstration and Planning B.M Sakharkar 2009 Jaypee Brothers Medical Publication Pvt. Ltd New Delhi.
7. Reality of Hospital Administration D.RambabuJaypee Brothers Medical Publication 2014 New Delhi.
8. Reinke, Health Planning for Effective Management, Oxford University Press, New York, 1988.
9. Syed Amin Tabish, Hospital and Health Services Administration, OUP New Delhi, 2001.
10. Wolper.L.FAndPena.J, Health Care Administration – Principles and Practice, An Aspen Publication, Maryland, U.S.A., 1989.

### **WEBSITES AND e-LEARNING SOURCES:**

1. <http://www.springboard.com>
2. [www.economicdiscussion.com](http://www.economicdiscussion.com)
3. [www.decd.org>edu>leri](http://www.decd.org>edu>leri)
4. [www.gettingsmart.com](http://www.gettingsmart.com)

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions / Problems Application/Analysis/Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.



## SEMESTER III

### YOGA AND MEDITATION FOR BETTER LIVING

Teaching Hours : 30

Credits: 2

Course Code : 3P18/3S/YML//8P18/3S/YML

LTP: 1/0/1

#### COURSE OBJECTIVES AND OUTCOME:

- To enable the students to inculcate the art of Yoga and Meditation in Day – to – Day Life and help them experience the stress relief and rejuvenation.

#### COURSE OUTLINE:

**UNIT I:** Yoga – Introduction – Yoga as a science of art - The five elements – Balancing the five elements- Yoga and Health Benefits ( The physical and Mental) – Theoretical insight into 12 Asanas – Pranayama techniques – Surya pranayama – Nadishuddi and Bastrika – Diet – Nutrition and Health – Understanding Human anatomy and Acupressure Points and benefits.

(10hrs)

**UNIT II:** Meditation – Introduction – Brain Wave Patterns – Functions of Right brain & Left brain- The sub Conscious Mind – Chakras – Anthakarna – Koshas – Goal visualization – The physical body and the Etheric body – Positive affirmations.

(10hrs)

**UNIT III:** Practice on 12 Asanas and simplified physical exercises – Practical sessions on Meditation –Surya Namaskar– Practical lessons on few Mudras.

(10hrs)

**BOOKS FOR REFERENCE:**

1. Medidation for Beginers – Vikasthalkani.
2. Simplified Physical Exercises – Vethathiri Maharishi.
3. Yoga Sutras of Patanjali – HariharanandaAranya, University of Calcutta Press, Calcutta.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.gettingsmart.com](http://www.gettingsmart.com)
2. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
3. <https://ocw.mit.edu>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer any ten out of twelve (10x 5=50 marks)	Application / Analysis / Synthesis / Evaluation	50 Marks

Part A : Definition and Descriptions 12 questions, at least two from each unit.

## SEMESTER- IV

### ECONOMICS OF GROWTH AND DEVELOPMENT

**Teaching Hours: 90**

**Credits: 4**

**Course Code : 3P18/4C/EGD// 8P18/4C/EGD**

**LTP : 3/3/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable the students to know about Development Indices.
- To make the students understand Development and Growth Models.
- To enable the students to become proficient for NET and SET Exams.

#### **COURSE OUTLINE:**

**UNIT I:** Introduction – Economic Growth, Economic Development and Sustainable Development – Vicious Circles of Poverty, Measures of Development: HDI and Quality of Life Indices, Measures of Inequality, Development Gap, Country Characteristics and Cross Country Comparisons, Relationship between Population, Poverty and Environment – Global Happiness Index.

(15 hrs)

**UNIT II:** Model of Growth – Harrod – Domar Model – Nobel Laureate Robert Solow Model of Steady – Growth – Joan Robinson’s Model – Meade Steady Growth Model – Kaldor’s Growth Model – Two Sector Model of Uzawa.

(20 hrs)

**UNIT III:** Theories of Development – Adam Smith, Thomas Robert Malthus – Nobel Laureate Arthur Lewis – Model of Development – Ranis and Fei Model of ‘Dual Economy’ – Harris – Todaro Model of ‘Rural – Urban Migration’- Jorgensons Model- Dixit and Margline Model.

(20 hrs)

**UNIT IV:** Choice of Techniques and Appropriate Technology – Nobel Laureate James M. Buchanan (1986) Cost – Benefit Analysis – Myrdal Theory of Cumulative Causation – Shadow Prices – Leibenstein’s Critical Minimum Effort Theory.

(20 hrs)

**UNIT V:** New Technology and Sustainable Agriculture- Globalization and Agriculture – International Trade as an engine of growth, inward looking and outward oriented strategies for development, Import Substitution and Export led growth, Dual Gap Analysis- A Paradoxical Theorem (Mundell).

(15 hrs)

**BOOKS FOR REFERENCE:**

1. A N Agarwal and S P Singh (Eds); 1958 – The Economics of Underdevelopment, Volumes I, II and III; Oxford University Press.
2. A.Sen (Ed) – 1970- Growth Economics: Selected readings; Penguin.
3. Benjamin Higgins Economic Development, Problems, Principles and Policies, Universal Book Stall, New Delhi.
4. Debraj Ray, 1998; Development Economics, Oxford Indian Paperbacks.
5. Edward Shapiro, Macro Economics, Galgotia, New Delhi.
6. H.G.Mannur International Economics, Vikas Publishing House, New Delhi.
7. Hywel G Jones – 1976 – An Introduction to Modern theories of Economic Growth: McGraw Hill.
8. KaushikBasu, 1998; Analytical Development Economics: The Less Developed Economy Revisited, Oxford Indian Paperbacks.
9. M.L.Jhingan The Economics of Development and Planning, Vrinda Publication New Delhi.
10. Taneja& Meier – Growth & Development Model & Planning 2015.

**WEBSITES AND e-LEARNING SOURCES:**

1. <http://www.coursera.org/learn/economics>
2. <http://www.springboard.com>
3. [www.economicdiscussion.com](http://www.economicdiscussion.com)

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER – IV

### INTERNATIONAL ECONOMICS

Teaching Hours : 90

Credits : 4

Course Code : 3P18/4C/INE // 8P18/4C/INE

LTP : 3/3/0

#### COURSE OBJECTIVES AND OUTCOME:

- To enable the students to understand the Theories and Tools of International trade.
- To understand the exchange control measures and FDI.
- To have an insight on International Institutions.

#### COURSE OUTLINE:

- UNIT I:** Theories of International trade – Samuelson’s Factor – Price Equalisation Theory - Factor Intensity Reversals – Single – Multiple – Stolper Samuelson Theorem – Rybczynski Theorem –Leontief Paradox, Immiserising growth.  
(15 hrs)
- UNIT II:** Trade welfare and Terms of Trade of a Small country and Large country - Factors determining Terms of Trade - Gains from trade – Potential gain and Actual gain - Gains from Trade in the case of Large and Small country – Static gain and Dynamic gain- Preferential Trade Areas (PTAs)- Free Trade Areas (FTAs)- TRIPS- TRIMS- TPRM.  
(20 hrs)
- UNIT III:** Exchange control measures – Objectives - Methods – Determination of Equilibrium Exchange Rate – Theories – MintPar – Purchasing Power Parity – Balance of Payment theory – Fixed versus Flexible Exchange Rate; Financial Globalisation and Financial Crisis.  
(20 hrs)
- UNIT IV:** Foreign Direct Investment – Types – Merits and Demerits – Role and Functions of Multinational Corporations and MNB’s – Technology transfer. Impact of Foreign Capital on India’s Economic Development - Outflow of FDI.  
(20 hrs)
- UNIT V:** IMF- World Bank- GATT- WTO- European Bank for Reconstruction and Development- G20- ADB- BRICS- Brexit - Globalisation and its Impact on India’s Trade – Rationale and Impact of Trade Reforms since 1991 on BOP, FDI, Employment and Growth - Trading Blocs –SAARC – NAFTA – EU - ASEAN.  
(15 hrs)

**BOOKS FOR REFERENCE:**

1. Bosodersten- International Economics, Macmillan Press Ltd London 2014.
2. Charles. P Kindleberger – International Economics. Macmillan Press Ltd London, 1999.
3. Dominick Salvatore – International Economics. John Wiley International Student Edition 2014.
4. M.L. Jhingan - International Economics. M.L. Vrindha Publications, 2016.
5. Paul Krugman, MaurisObstfield and Marc Melitz, Addison- Wesley International Economics Theory and Policy, Pearson Education Indian Edition 2014.
6. Robert Carbaugh- International Economics- Cengage Learning 2016.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
2. <https://ocw.mit.edu>
3. <https://www.edn.org>



**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER IV

### ENVIRONMENTAL ECONOMICS

Teaching Hours : 90

Credits : 4

Course Code : 3P18/4C/ENE//8P18/4C/ENE

LTP :3/3/0

#### COURSE OBJECTIVES AND OUTCOME:

- To evaluate the current policy, practices in environmental protection.
- To understand the hazards of resources depletion.
- To enhance student's ability to analyze Environmental policy issues.

#### COURSE OUTLINE:

- UNIT I:** Introduction to Environment in Economic Theory – Classification of Resources – Material Balance Approach. (15 hrs)
- UNIT II:** Environmental Resources – Scarcity and Choice – Economic Efficiency; Efficient allocation - Efficiency in Consumption Production and Product Run Efficiency - Social Welfare Function and Optimality - Inter – Temporal Efficiency - Optimal allocation and a market Economy – Market Failure and Public Policy – Externality and Public Goods- Externality and Economic Efficiency. (20 hrs)
- UNIT III:** Harvesting Renewable and Non-Renewable Resources – Simple Optimum Resource Depletion Model – Resource extraction in Perfect Competition and Monopolistic market – Dynamic of Resources Harvesting – Socially optimal resource harvesting - Economics of Forestry – Conservation of Resources. (20 hrs)
- UNIT IV:** Pollution and Depletion of Quality and Quantity of Environmental Resources – Classification of forms of Pollution – Nature of Emissions – Transboundary Protection – Efficient level of Pollution – Pollution Abatement – Issues in Economics of Pollution – Technological Progress. (20 hrs)
- UNIT V:** Environment and Economic Policy – Coase Theorem – Economically efficient and cost effective pollution abatement programs – Forms of Direct regulation (tax, subsidies and permits)- Hedonic Valuation- Economic growth and Natural Environment Population Growth, Economic, International and Global Environmental Population Problems – SDG (Environment Goals). (15 hrs)

**BOOKS FOR REFERENCE:**

1. Environmental and Natural Resource Economics 11<sup>th</sup> Edition- Tom Tietenberg and Lynne Lewis 2017.
2. Environmental Economics- Karpagam. M. Sterling Publisher Private Ltd. 1999.
3. Environmental Economics: Theory and Applications- Katar Singh, Anil Shishodia Sage Publication, 2007.
4. Handbook of Environmental and Resource Eco- Jeoren C.J.M., Vanden Bergh, 1999.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.economicdiscussion.com](http://www.economicdiscussion.com)
2. [www.decd.org>edu>leri](http://www.decd.org>edu>leri)
3. [www.gettingsmart.com](http://www.gettingsmart.com)

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**SEMESTER – IV**

**PROJECT**

**Teaching Hours : 90**

**Credits : 4**

**Course Code : 3P18/4C/PRJ**

**COURSE OBJECTIVES AND OUTCOME:**

- To enable students to understand the significance of conducting research in a scientific manner.
- Submission of Project Report on any Economic or Social Issue.

## SEMESTER-IV

### DEMOGRAPHY

Teaching Hours : 60

Credits: 3

Course Code : 3P18/4E5/DEY

LTP : 3/1/0

#### COURSE OBJECTIVES AND OUTCOME:

- To understand the structure of population.
- To have an insight of Migration and Urbanisation pattern.
- To study population, economy and environmental linkages in India.

#### COURSE OUTLINE:

**UNIT I:** Meaning and Scope of Demography - Components of Population Growth and their inter - dependence - Measures of population change – Structure - Distribution and Sources of population data - Theories of population – Malthus - Optimum theory of population - Theory of Demographic Transition – Views of Meadows - Enke and Simon - Population and Development.

(10 hrs)

**UNIT II:** Structure of Population- Population trends - Population Explosion – Threatened or Real - Distant or Imminent - International aspects of Population Growth and Distribution - Pattern of Age and Sex Structure – Determinants - Demographic effects - Economic and Social Implications - Age Pyramids and Projections – Individual Aging and Population Aging.

(15 hrs)

**UNIT III:** Fertility -Nuptiality and Mortality-Importance of study of fertility – Total Fertility Rate - Gross Reproduction Rate and Net Reproduction Rate - Levels and trends of fertility in more and less developed countries - Factor affecting fertility – Socio - economic factors - Trends in age at marriage - Mortality – Types - Levels and trends in developed and less developed countries - Sex and age pattern - Factors for decline immortality - Life table – Construction and uses - Concepts of Stable Population - Methods of Population Projection.

(15 hrs)

**UNIT IV:** Migration and Urbanization - Concept and Types – Temporary - Internal and International - International migration – Effect - Factors – Theories- Growth and Distribution of Rural – Urban Population in Developed and Developing Countries.

(10 hrs)

**UNIT V:** Demographic Data Base in India - Study of Census in India – Methodology and Characteristics of Census - National Family Health Survey and Rapid Household Survey - Changing characteristics of population - Population Growth Rates - New Population Policy in India.

(10 hrs)

**BOOKS FOR REFERENCE:**

1. Agarwala S.N. (1972), India's Population Problem, Tata McGraw-Hill Co, Bombay.
2. Bogue, D.J. (1971), Principals of Demography, John Wiley, New Delhi.
3. Bose, A. (1996), India's Basic Demographic Statistics, B.R. Publishing Corporation, New Delhi.
4. Chenery H. and T.N. Srinivasan (Eds.), (1989), Hand Book of Development of Economics Vol. 1& 2 Elsevier, Amsterdam.
5. Choubey, P.K. (2000), Population Policy in India, Kanishka Publications, New Delhi.
6. Coale A. J. and E. M. Hoover (1958), Population Growth and Economic Development in Low Income Countries : A Case Study of India's Prospects, Princeton University Press, Princeton.
7. Demographic Method and Concepts Donald T 2003.
8. Demography: Measuring Modelling Population Summel H Preston Processes – 2000
9. Gulati, S.C. (1988), Fertility in India: An Econometric Study of a Metropolis, Sage, New Delhi.
10. Methods and Models in Demography Colin Newell 2003.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.economicdiscussion.com](http://www.economicdiscussion.com)
2. <https://ocw.mit.edu>
3. <https://academicearth.org/economics>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.



## SEMESTER IV

### EMPLOYABILITY SKILLS

Teaching Hours : 30

Credits : 2

Course Code : 3P18/4S/EMS//8P18/4S/EMS

LTP: 2/0/0

#### COURSE OBJECTIVES AND OUTCOME:

- To help the students to prepare CV and equip them to face interview.

#### COURSE OUTLINE:

**UNIT I:** Employability Skills – Verbal Communication – Team Work – Awareness – Analysing and investigating – Self Motivation – Drive – Written Communication – Planning and Organising – Flexibility – Time Management- Preparing a Curriculum Vitae- Key Information. (15Hrs)

**UNIT II:** Reasoning- Cognitive Skills- Retention Skills. (5 hrs)

**UNIT III:** Personality Skills- Expressive Skills- Leadership Skills- Attitude and Aims Skills. (10 hrs)

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer any ten out of twelve (10x 5=50 marks)	Application / Analysis / Synthesis / Evaluation	50 Marks

Part A : Definition and Descriptions 12 questions, at least two from each unit.

# **M. A. BUSINESS ECONOMICS**

## **SYLLABUS**

### **CHOICE BASED CREDIT SYSTEM**

*(OFFERED FROM THE ACADEMIC YEAR 2018-2019)*

**DEPARTMENT OF ECONOMICS**  
**REVISED SYLLABUS OF JUNE 2018**

Department of Economics is revising syllabi with effect from the academic year 2018-2018 with CBCS for M.A. Economics & M.A Business Economics as specified by the Government of Tamil Nadu that will seek to build the capacity of the students and provide inputs for their social service and social analysis capabilities.

Every academic year is divided into two semester sessions. Each semester will have a minimum of 90 working days and each day will have 5 working hours. Teaching is organized into a modular pattern of credit courses. Credit is normally related to the number of hours a teacher teaches a particular subject. It is also related to the number of hours a student spends learning a subject or carrying out an activity.

**PREAMBLE**

The Department of Economics submits changes and additions suggested in the PG curricula that are given in the ensuing pages.

- Reorganization of Courses in the PG programmes as specified by TANSCHÉ
- Modification of course content in courses based on employability of the students and the needs of the industries.
- Changes in the course title based on revised contents of curricula and course titles.
- Introduction of new innovative courses.

**REGULATIONS**

**1. ELIGIBILITY FOR ADMISSION:**

Candidates for admission to the first year of the Degree of **M.A. Economics & M.A Business Economics** course shall be required to have passed B.A. Economics, B.Sc Mathematics, B.Sc Statistics /B.Com/B.B.A./B.B.M/B.Com (C.S) or any under graduate degree in social sciences conducted by the University of Madras or an Examination accepted as equivalent thereto by the Syndicate of the University of Madras.

## **2. ELIGIBILITY FOR THE AWARD OF DEGREE:**

A candidate shall be eligible for the award of the Degree only if she has undergone the prescribed course of study for a period of not less than two academic years and passed the examinations in all the four semesters prescribed.

## **3. COURSE OF STUDY:**

The main subject of study for Masters Degree shall consist of the following:

CORE COURSES

ELECTIVES

INTERNSHIP

## **4. PASSING MINIMUM:**

A candidate shall be declared to have passed in each paper/practical of the main subject of study wherever prescribed, if she secured NOT LESS THAN 50% of the marks prescribed for the examination.

## **5. CLASSIFICATION OF SUCCESSFUL CANDIDATES:**

Successful candidates passing the examination and securing the marks (i) 60 percent and above and (ii) 50 percent above but below 60 percent in the aggregate shall be declared to have passed the examination in the FIRST and SECOND class respectively.

Candidates who pass all the examinations prescribed for the course in the FIRST APPEARANCE ITSELF ALONE are eligible for ranking.

## 6. COURSE PROFILE

SEM	COUSE CODE	TITLE OF THE PAPER	CREDIT	CA	SE	T
I	8P18/1C/AMT// 3P18/1C/AMT	Advanced Micro Economic Theory	4	40	60	100
		Accounting and Auditing	4	40	60	100
	8 P18/1C/MFE// 3P18/1C/MFE	Mathematics for Economists	4	40	60	100
	8P18/1C/ SFE// 3P18/1C/ SFE	Statistical Method for Economists	4	40	60	100
	8P18/1E1/ FNE// 3P18/1E1/ FNE	Financial Economics	3	40	60	100
		Personality Enrichment for Women	2		50	50
II	8P18/2C/MEA// 3P18/2C/MEA	Macro Economic Theory and Analysis	4	40	60	100
		Management Accounting	4	40	60	100
	8P18/2C/ECM// 3P18/2C/ECM	Econometric Methods	4	40	60	100
	8P18/2C/ SCA// 3P18/2C/ SCA	Statistics with Computer Applications	4	40	60	100
	8P18/2E2/ MGE// 3P18/2E2/ MGE	Managerial Economics	3	40	60	100
	8P18/2E/ HRM	Human Resource Management	3	40	60	100
		Interpersonal Communication	2		50	50
III	8P18/3C/ IEY// 3P18/3C/ IEY	Indian Economy	4	40	60	100
	8P18/3C/ MOE// 3P18/3C/ MOE	Monetary Economics	4	40	60	100
	8P18/3C/ RMC// 3P18/3C/ RMC	Research Methodology and Computer Applications in Economics	4	40	60	100
	8P18/3E3/ MKM	Marketing Management	3	40	60	100
	8P18/3E4/ PFM	Portfolio Management	3	40	60	100
	8P18/3E/ PUR	Public Relations	3	40	60	100
	8P18/3S/ YML // 3P18/3S/ YML	Yoga and Meditation for better living	2		50	50
IV	8P18/4C/EGD// 3P18/4C/EGD	Economics of Growth and Development	4	40	60	100
	8P18/4C/INE// 3P18/4C/INE	International Economics	4	40	60	100
	8P18/4C/ENE// 3P18/4C/ENE	Environmental Economics	4	40	60	100
	8P18/4C/PRJ	Project	4	40	60	100
	8P18/4E5/EMT	Event Management	3	40	60	100
	8P18/4S/EMS// 3P18/4S/EMS	Employability Skills	2		50	50
		Internship	2			
		<b>Total</b>	<b>91</b>			

## 7. TEMPLATE FOR EVALUATION:

S.No	Course Code	Course Title	Continuous Assessment				
			Test I	Test II	Quiz/ Assignment / Seminar	Participatory Learning	Total
<b>SEMESTER I</b>							
1.	8P18/1C/AMT// 3P18/1C/AMT	Advanced Micro Economic Theory	10	10	10	10	40
2.		Accounting and Auditing	10	10	10	10	40
3.	8 P18/1C/MFE// 3P18/1C/MFE	Mathematics for Economists	10	10	10	10	40
4.	8P18/1C/ SFE// 3P18/1C/ SFE	Statistical Method for Economists	10	10	10	10	40
5.	8P18/1E1/ FNE// 3P18/1E1/ FNE	Financial Economics	10	10	10	10	40
<b>SEMESTER II</b>							
1	8P18/2C/MEA// 3P18/2C/MEA	Macro Economic Theory and Analysis	10	10	10	10	40
2		Management Accounting	10	10	10	10	40
3	8P18/2C/ECM// 3P18/2C/ECM	Econometric Methods	10	10	10	10	40
4.	8P18/2C/ SCA// 3P18/2C/ SCA	Statistics with Computer Applications	10	10	10	10	40
5.	8P18/2E2/ MGE// 3P18/2E2/ MGE	Managerial Economics					
6.	8P18/2E/ HRM	Human Resource Management	10	10	10	10	40
<b>SEMESTER III</b>							
1.	8P18/3C/ IEY// 3P18/3C/ IEY	Indian Economy	10	10	10	10	40
2.	8P18/3C/ MOE// 3P18/3C/ MOE	Monetary Economics	10	10	10	10	40
3.	8P18/3C/ RMC// 3P18/3C/ RMC	Research Methodology and Computer Applications in Economics	10	10	10	10	40
4.	8P18/3E3/ MKM	Marketing Management	10	10	10	10	40
5.	8P18/3E4/ PFM	Portfolio Management	10	10	10	10	40
6.	8P18/3E/ PUR	Public Relations	10	10	10	10	40

## SEMESTER IV

1	8P18/4C/EGD// 3P18/4C/EGD	Economics of Growth and Development	10	10	10	10	40
2	8P18/4C/INE// 3P18/4C/INE	International Economics	10	10	10	10	40
3	8P18/4C/ENE// 3P18/4C/ENE	Environmental Economics	10	10	10	10	40
4	8P18/4C/PRJ	Project	10	10	10	10	40
5	8P18/4E5/EMT	Event Management	10	10	10	10	40

### 8. PATTERN FOR CONTINUOUS ASSESSMENT:

Test I	2 hrs	50 Marks	CA 10 Marks (converted)
Test II	2 hrs	50 Marks	10 Marks (converted)
Quiz/ Assignment/ Seminar/ Field Visits			10 Marks
Participatory Learning			10 Marks
Total			40 Marks

### 9. RUBRICS FOR CONTINUOUS ASSESSMENT EVALUATION:

<b>Assignment</b>	Contents/ Originality/ Presentation/ Schematic Representation and Diagram/ Bibliography
<b>Seminar</b>	Organization/ Subject Knowledge/ Visual Aids/ Confidence Level/ Presentation
<b>Participatory</b>	Answering Questions/ Clearing Doubts/ Participation in Discussion/ Attendance/ Communication and Language
<b>Problem Solving</b>	Understanding Concept/ Formula and Variable Identification/ Logical Sequence/ Answer
<b>Field Trip</b>	Participation/ Preparation/ Attitude/ Leadership
<b>Case Study</b>	Finding the Problem/ Analysis/ Solution/ Justification
<b>Project</b>	Preliminary Work/ Design/ Content/ Presentation



**M.A. BUSINESS ECONOMICS****SEMESTER I**

<b>Core</b>	<b>Code</b>	<b>Title</b>	<b>Hours</b>	<b>Credit</b>	<b>CA</b>	<b>Sem</b>	<b>Total</b>
Core: 1	8P18/1C/AMT// 3P18/1C/AMT	Advanced Micro Economic Theory	6	4	40	60	100
Core: 2		Accounting and Auditing	6	4	40	60	100
Core: 3	8 P18/1C/MFE// 3P18/1C/MFE	Mathematics for Economists	6	4	40	60	100
Core: 4	8P18/1C/ SFE// 3P18/1C/ SFE	Statistical Method for Economists	6	4	40	60	100
Major Elective: 1	8P18/1E1/ FNE// 3P18/1E1/ FNE	Financial Economics	4	3	40	60	100
Soft Skills		Personality Enrichment for Women	2	2			
	<b>Total</b>		<b>30</b>	<b>21</b>			

**SEMESTER II**

Core: 5	8P18/2C/MEA// 3P18/2C/MEA	Macro Economic Theory and Analysis	5	4	40	60	100
Core: 6		Management Accounting	5	4	40	60	100
Core: 7	8P18/2C/ECM// 3P18/2C/ECM	Econometric Methods	5	4	40	60	100
Core: 8	8P18/2C/ SCA// 3P18/2C/ SCA	Statistics with Computer Applications	5	4	40	60	100
Major Elective:2	8P18/2E2/ MGE// 3P18/2E2/ MGE	Managerial Economics	4	3	40	60	100
Extra Disciplinar y Elective Subject:1	8P18/2E/ HRM	Human Resource Management	4	3	40	60	100
Soft Skills		Interpersonal Communication	2	2			100
	<b>Total</b>		<b>30</b>	<b>24</b>			

### SEMESTER III

Core	Course Code	Course Title	Hours	Credit	CA	Sem	Total
Core: 9	8P18/3C/ IEY// 3P18/3C/ IEY	Indian Economy	6	4	40	60	100
Core: 10	8P18/3C/ MOE// 3P18/3C/ MOE	Monetary Economics	5	4	40	60	100
Core: 11	8P18/3C/ RMC// 3P18/3C/ RMC	Research Methodology and Computer Applications in Economics	5	4	40	60	100
Elective 3	8P18/3E3/ MKM	Marketing Management	4	3	40	60	100
Elective 4	8P18/3E4/ PFM	Portfolio Management	4	3	40	60	100
Extra disciplinary	8P18/3E/ PUR	Public Relations	4	3	40	60	100
Soft Skill	8P18/3S/ YML // 3P18/3S/ YML	Yoga and Meditation for better living	2	2			
	Total		30	23			

### SEMESTER IV

Core	Course Code	Course Title	Hours	Credit	CA	Sem	Total
Core: 12	8P18/4C/EGD// 3P18/4C/EGD	Economics of Growth and Development	6	4	40	60	100
Core: 13	8P18/4C/INE// 3P18/4C/INE	International Economics	6	4	40	60	100
Core: 14	8P18/4C/ENE// 3P18/4C/ENE	Environmental Economics	6	4	40	60	100
Core: 15	8P18/4C/PRJ	Project	6	4	40	60	100
Elective:5	8P18/4E5/EMT	Event Management	4	3	40	60	100
Soft Skill	8P18/4S/EMS// 3P18/4S/EMS	Employability Skills	2	2			
	Total		30	21			

## SEMESTER – I

### ADVANCED MICRO ECONOMIC THEORY

Teaching Hours : 90

Credits : 4

Course Code : 8P18/1C/AMT // 3P18/1C/AMT

LTP : 3/ 3/ 0

#### COURSE OBJECTIVES AND OUTCOME:

- To enable the students to understand the Advanced Theories of Consumer Behavior.
- To make the students understand the various Market Structure Models.
- To understand the non-conventional objectives of the firm.

#### COURSE OUTLINE:

**UNIT I:** Theory of Market Demand-A Pragmatic Approach to Demand Analysis – Constant - Elasticity of Demand Model – Distributed Lag Models -Linear Expenditure System - Indirect Utility and Expenditure Function– Roy’s Identity – Shepherd’s Lemma – Slutsky’s Equation. (20 Hrs)

**UNIT II:** Oligopoly - Non-Collusive Oligopoly – Cournot’s Duopoly Model- Chamberlin’s Oligopoly Model- Paul. M Sweezy’s Model- Stackelberg’s Model - Collusive Oligopoly – Cartels - Price leadership. (20 Hrs)

**UNIT III:** Behavioural Models - Baumol’s Sales Maximization Theory - Cyert and March Model - Marris Growth Model- Williamson Model-Limit Pricing. (15 Hrs)

**UNIT IV:** General Equilibrium –Walrasian System - 2 x 2 x 2 Model - Pareto Optimality Conditions – Tatonnement and Non-Tatonnement process – Social Welfare Function - Arrows Impossibility Theorem – Second Best Theory. (20 Hrs)

**UNIT V:** Choice under Uncertainty — Neumann Morgenstern Index - Friedman-Savage Hypothesis- Markowitz Hypothesis- Hicks Logical Ordering. (15 Hrs)

**BOOKS FOR REFERENCE:**

1. Baumol W J Economic Theory and Operations Analysis; Prentice Hall of India , New Delhi April 2018 (New Edition).
2. E. Roy Weintraub, General Equilibrium Theory, Macmillan London 1974.
3. George Joseph Stigler, Theory of Price, Prentice Hall of India, New Delhi 1996.
4. Hal R. Varian; Micro Economic Analysis , Affiliated East West Press, 2006.
5. Koutsoyannis; Modern Micro Economics, ELBS, Macmillan press, London 2013.

**WEBSITES AND e-LEARNING SOURCES:**

1. [elearning.ec.unipi.gr](http://elearning.ec.unipi.gr)>elearning
2. <http://www.coursera.org/learn/economics>
3. <https://academicearth.org/economics>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER – I

### MATHEMATICS FOR ECONOMISTS

**Teaching Hours : 90**

**Credits: 4**

**Course Code : 8P18/1C/MFE // 3P18/1C/MFE**

**LTP : 3/ 3/ 0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable Students to understand the application of Mathematical Tools to Economic Theories.
- To formulate Mathematical Models.

#### **COURSE OUTLINE:**

**UNIT I:** Vector and Matrix Algebra– Basic Operations – Trace - Rank and Inverse of a Matrix – Orthogonal Matrix – Partitioned Matrix – Elementary Transformation of a Matrix – Vector and Matrix Differentiation – Quadratic Form – Definite Matrices - Definition - Types and Properties – Positive Definite - Negative Definite.

(20 Hrs)

**UNIT II:** Linear Equations - Consistency of a System of Linear Equations – Solution of a System of Linear Equations (homogenous and non-homogenous) – Linear Transformation – Eigen Values and Eigen Vectors.

(15 Hrs)

**UNIT III:** Optimization Methods – Two and Three Variables – Unconstrained Optimization – Jacobian, Hessian – Constrained Optimization – Lagrangian.

(15 Hrs)

**UNIT IV:** Differential Equations types (elementary ideas) – Linear Differential Equations with Constant Coefficients (First, Second and Higher Order) – Solution of Differential Equations (Homogenous and Non-Homogenous) – Applications – Samuelson’s Accelerator and Multiplier Model.

(20 Hrs)

**UNIT V:** Difference Equations- Finite Differences: Operators ‘E’ and ‘ $\Delta$ ’ – Linear Difference: Equations with Constant Coefficients (first, second and higher order) – Solution of Difference Equations (Homogenous and Non-Homogenous) – Applications – Samuelson’s Accelerator and Multiplier Model.

(20 Hrs)

**BOOKS FOR REFERENCE:**

1. A.C. Chiang, Fundamental Methods of Mathematical Economics.
2. Carl. P. Simon – Lawrence Blume “Mathematics for Economist” Norton, 1994.
3. Edward T. Dowling, Mathematical Methods for Business and Economics, Schaums’s Outline Series (2002)
4. G. Hadley, Linear Algebra Addison – Wesley Publishing Company 1977.
5. K.Sydsaeter and P Hammond, Mathematics for Economic Analysis, Pearson Educational Asia, Delhi 2002.
6. Mabett. Alan J “Workout for Mathematics for Economist” Macmillian 1986.
7. R.G.D. Allen, Mathematical Analysis for Economists Macmillan and Co. Ltd., 1938.
8. Renshaw, Geoff “Maths for Economics” Edition Oxford University Press 2005.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://ocw.mit.edu>
2. <https://www.edn.org>
3. <https://oyc.yale.edu>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions. (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**Questions to be included from all units for section A and B. Questions should be 80% problems and 20% theory.**



## SEMESTER – I

### STATISTICAL METHODS FOR ECONOMISTS

**Teaching Hours : 90**

**Credits: 4**

**Course Code : 8P18/1C/SFE // 3P18/1C/SFE**

**LTP: 3/ 3/ 0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To make students familiar with various Statistical Tools and their applications in Economic Analysis and Scientific Research Work.
- To develop skills in handling complex problems in Data analysis and Research designs.

#### **COURSE OUTLINE:**

**UNIT I:** Interpolation and Extrapolation –Newton’s and Lagrange’s Methods.  
(15 hrs)

**UNIT II:** Probability - Addition and Multiplication Theorems - Conditional - Probability - Discrete and Continuous - Random Variables - Mathematical Expectations – Bayes Theorem- Theoretical Distributions - Binomial, Poisson and Normal.  
(20 hrs)

**UNIT III:** Simple, Partial and Multiple Correlation- Regression- Regression Lines- Multiple Regression.  
(20 hrs)

**UNIT IV:** Univariate and Multivariate Techniques – Factor Analysis.  
(15 hrs)

**UNIT V:** Vital Statistics – Sources – Errors in Census and Registration – Measurement of Population rate and Ratio of vital events – Measurement of Mortality - Crude Death Rate (CDR) - Specific Death Rate (SDR) - Infant Mortality Rate (IMR) and Standardized Death Rate (SDR) - Maternal Mortality Rate (MMR) - Morbidity Rate.  
(20 Hrs)

**BOOKS FOR REFERENCE:**

1. Dr.T.K.V. Iyengar, Dr.B.Krishna Gandhi S.Ranganatham, Dr.M.V.S.S.N.Prasad – Probability and Statistics, S.Chand& Co 2015.
2. R.S.N. Pillai and V.Bagavathi, Statistics, Sultan & Chand Sons, New Delhi 2010.
3. S.C.Gupta Fundamentals for Statistics Himalaya Publications House Pvt. Ltd 2016.
4. S.P Gupta- Statistical Methods, Sultan Chand & Sons 2017.
5. Sancheti -D.C and V.K. Kapoor Statistical Theory-Method and Application, Sultan chand& Sons 2010.
6. SC. Gupta and V.K. Kapoor, Fundamentals of Mathematical Statistics 2014.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
2. <https://ocw.mit.edu>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**Questions to be included from all units for section A and B. Questions should be 80% problems and 20% theory.**

## SEMESTER – I

### FINANCIAL ECONOMICS

**Teaching Hours : 60**

**Credits: 3**

**Course Code : 8P18/1E1/FNE//3P18/1E1/FNE**

**LTP: 2/2/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To understand the financial system of India.
- To have an insight about trading in the financial markets.
- To analyse the security system in financial markets.

#### **COURSE OUTLINE:**

**UNIT I:** Capital Market- Money Market- Primary Market - Definition - Kinds of Issues - General Conditions - Governing issues of shares in Primary Market - (a brief view) – Intermediaries involved in Primary Market.

(10 Hrs)

**UNIT II:** Secondary Market - Definition - Securities dealt in Secondary Market - Listing of Securities –Meaning – Objectives - Classification of Listed Securities - Benefits of Listing to Companies and Investors - Stock Brokers - Types of Stock Brokers in Stock Exchanges

(15 Hrs)

**UNIT III:** Stock Brokers - Underwriters- Advantages- Responsibilities - Depositories- Functions- Procedure - Benefits- Remedies- Credit Rating Agencies- Benefits- Instruments- Investors- Company - Basic types.

(10 Hrs)

**UNIT IV:** OTCEI - Insider Trading - Online Trading System - Meaning – SEBI - Objectives - Administration and Activities of SEBI - SEBI and Primary Market - SEBI and Secondary Market / Vanilla Interest Rate Swaps – Swaptions - other types of Swaps – Currency - Equity and Commodity Swaps - Rating Derivatives

(15 Hrs)

**UNIT V:** Merchant Banking- Recognition-Conditions - Role- Functions- Mutual Funds- Classification-Benefits- Performance -Venture Capital - Importance - Types

(10 Hrs)

**BOOKS FOR REFERENCE:**

1. B.Santhanam, Financial services (Indian Financial system) Morgham Publication 2016.
2. Financial market-Institutions and services, N.K.Gupthan & Monika –Ane Book PVT Ltd – Delhi (2002)
3. Financial Markets and Financial Services in India, Benson Kunjukunju & S.Mohanan -New century Publications-Delhi (2004)
4. Indian Financial system, H.R.Modi Raja Financial services in India-Rajesh Kothari (2002).

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>>el.

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER – II

### MACRO ECONOMIC THEORY AND ANALYSIS

**Teaching Hours : 75**

**Credits: 4**

**Course Code : 8P18/2C/MEA // 3P18/2C/MEA**

**LTP : 3/ 2/ 0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable students to understand the advanced theories of Macro Economics.
- To facilitate the students to understand Macro Economic Policies and Tools.
- To equip the students in understanding the various Macro Economic Models.

#### **COURSE OUTLINE:**

**UNIT I:** Classical Theory of Income and Employment Determination with Saving and without Saving – Keynesian theory of Income Determination – Aggregate Demand and Aggregate Supply.

(15 Hrs)

**UNIT II:** Consumption Function – Keynesian Psychological Theory – Investment Function – MEC - MEI - Multiplier- Accelerator- Super Multiplier- Fiscal and Monetary Tools.

(15 Hrs)

**UNIT III:** General Equilibrium in the Product and Money Market- Hicks and Hansen – Non-Walrasian – Disequilibrium Theory – Robert W.Clower – Axel Leijonhufvud.

(15 Hrs)

**UNIT IV:** Business Cycle Model- The Samuelson Model - The Hicksian Model- The Goodwin- Kaldor - Schumpeter and Cobweb Model.

(15 Hrs)

**UNIT V:** Kalecki's Model- Cartters Model- Kaldor's Savings-Investment Model- Weintraub's Model.

(15 Hrs)

**BOOKS FOR REFERENCE:**

1. Ackley, Gardner, 1978, Macro Economic Analysis: Theory and Policy, Macmillan Publishing Co, New York.
2. Ahuja, H., 2005, Macro Economics Theory and Policies Advanced Analysis, Ed. 10, Indiana Books and Journals, Chennai.
3. Brooman, F., 1963, Macro Economics, George Allen and Unwin Ltd, London.
4. Duesenberry J.S. Income, Savings and the Theory of Consumer Behaviours Harvard, 1940.
5. Koutsoyiannis.A, Macro Economics, Macmillan Press Ltd. London, 1975.
6. MontechAhluwalia, 2002, Macroeconomics and Monetary Policy, T. Publications, New Delhi.
7. N.GregoryMankiw, Macroeconomics, Worth Publishers, 7th edition, 2010.
8. Olivier Blanchard, Macroeconomics, Pearson Education, Inc., 5th edition, 2009.
9. Paul R. Krugman, Maurice Obstfeld and Marc Melitz, International Economics, Pearson Education Asia, edition, 2012.
10. Powelson, J.P.National Income and Flow of Funds Analysis, McGraw Hill Company Limited, New York, 1960.
11. Raghbendrasa, 1991, Contemporary Macroeconomic Theory and Policy, Ed. 25, Wiley Eastern Ltd., New Delhi.
12. Richard T. Froyen, Macroeconomics, Pearson Education Asia, 2nd edition, 2005.
13. Richard.T.Froyen, Macro Economics- Theories and Policies, Pearson (2004)
14. Shapiro, Edward, 1988, Macro Economic Analysis, Galgotia Publications Pvt Ltd, New Delhi.
15. Surrey, M.J.C. (Ed), Macro Economic Themes, OUP, Oxford, 1976.
16. Vaish, M., 1999, Macro Economics, Vikas Publishing House Pvt Ltd, Mumbai.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>>el.



**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER – II

### ECONOMETRIC METHODS

**Teaching Hours : 75**

**Credits : 4**

**Course Code : 8P18/2C/ECM // 3P18/2C/ECM**

**LTP : 3/ 2/ 0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable students to understand the essential quantitative tools to make decision making a rational process.
- To learn the technique of finding optimal solutions in a dynamic business environment.

#### **COURSE OUTLINE:**

**UNIT I:** Regression Analysis - Linear Regression Model – Two Variables and Multi Variables – BLUE property – General and Confidence Approach to Hypothesis Testing – Partial Effects and Elasticity – Goodness of fit - Extension of Linear Regression Models - Definition, Sources - Consequences and Detection of Multicollinearity – Heteroscedasticity - Autocorrelation and Remedial Measures.

(15 Hrs)

**UNIT II:** Dummy Variables - Regression on Qualitative and Quantitative Variables - Dummy Variable Trap – Structural Stability of Regression Models – Chow Test – Deseasonalisation - Piecewise Linear Regression Model.

(15 Hrs)

**UNIT III:** Distributed Lag Models - Formation of Expectations - Naïve Expectation Versus Adaptive Expectations Models – Partial Adjustment Models - Distributed Lag Models - Koyck's Model – Almon Lag - Polynomial Distributed Lag Models - End Point Restriction– Rational Expectation Models.

(15 Hrs)

**UNIT IV:** Simultaneous Equation Methods – Approaches to Estimation – Recursive Models and Ordinary Least Squares – Estimation of Just - over and under Identified Equation - The Method of Indirect Least Squares (ILS) – Estimation of an over identified equation - The Method of Two – Stage Least Squares (2SLS).

(15 Hrs)

**UNIT V:** Time Series Analysis - Time Series Econometrics: Forecasting – Approaches to Economic Forecasting – AR - MA and ARIMA Modeling of Time Series Data – Box-Jenkins (BJ) Methodology – ARCH and GARCHs.

(15 Hrs)

**BOOKS FOR REFERENCE:**

1. Brooks, C., Introductory Econometrics for Finance, first edition, Cambridge University Press, 2003.
2. Gujarati, N.D., Basic Econometrics, fourth edition, McGraw Hill, 2003.
3. Johnston, J., Econometric Methods, third edition, McGraw Hill, 1984.
4. Ramanathan, R., Introductory Econometrics with applications, fifth edition, Thomson Asia Private Limited, 2002.
5. Wooldridge, J., Introductory Econometrics: A Modern Approach, South-Western, 2009.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
2. <https://ocw.mit.edu>
3. <https://www.edn.org>

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Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**Questions to be included from all units for section A and B. Questions should be 80% problems and 20% theory.**

## SEMESTER – II

### STATISTICS WITH COMPUTER APPLICATIONS

Teaching Hours : 75

Credits: 4

Course Code : 8P18/2C/SCA // 3P18/2C/SCA

LTP : 2/2/1

#### COURSE OBJECTIVES AND OUTCOME:

- To make students familiar with various Statistical Tools and their applications in Economic Analysis for Scientific Research Work.
- To develop skills in handling complex problems in Data Analysis and Research design.

#### COURSE OUTLINE:

- UNIT I:** Sampling Theory- Types of Sampling -Sampling Distributions and Standard Error of Means, Standard Deviation and Proportions, Testing of Hypothesis- Level of Significance -Type I and Type II Error - Large Sample test for Two Means, Two Standard Deviations and Two Proportions.  
(15 Hrs)
- UNIT II:** Estimator and Estimate – Point and Interval Estimates – Reliability of an Estimate – Sampling Variance and Mean Square Error – Properties of a good estimator.  
(15 Hrs)
- UNIT III:** Small Sample Test – t-test- Paired t- test - Chi-square Test- Test of Goodness of Fit – Test of Homogeneity, Test of Independence of Two Attributes.  
(15 Hrs)
- UNIT IV:** F test – Analysis of Variance- One Way and Two Way Classifications.  
(15 Hrs)
- UNIT V:** Introduction – Statistical Data Files- Statistical Workbook – Installation – Data Spreadsheet Toolbar - Scroll Sheet Applications- Diagrams and Graphs, Elementary concepts in Statistics – Application in Computer – Correlation, Multiple Correlation - Regression – Multiple Regression – ANOVA (**Practical Examination only. No question for End Semester Examination**)  
(15 Hrs)

**BOOKS FOR REFERENCE:**

1. Dr.T.K.V. Iyengar, Dr.B.Krishna Gandhi S.Ranganatham, Dr.M.V.S.S.N.Prasad – Probability and Statistics, S.Chand& Co 2015.
2. R.S.N. Pillai and V.Bagavathi, Statistics, Sultan & Chand Sons, New Delhi 2010.
3. S.C.Gupta Fundamentals for Statistics Himalaya Publications House Pvt. Ltd 2016.
4. S.P Gupta- Statistical methods, Sultan Chand & Sons 2017.
5. Sancheti -D.C and V.K. Kapoor Statistical theory-Method and Application, Sultan chand& Sons 2010.
6. SC. Gupta and V.K. Kapoor, Fundamentals of Mathematical Statistics 2014.

**WEBSITES AND e-LEARNING SOURCES:**

1. [elearning.ec.unipi.gr](http://elearning.ec.unipi.gr)>elearning
2. <http://www.coursera.org/learn/economics>
3. <http://www.springboard.com>

**QUESTION PAPER PATTERN:**

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Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**Questions to be included from all units for section A and B. Questions should be 80% problems and 20% theory.**

## SEMESTER II

### MANAGERIAL ECONOMICS

**Teaching Hours : 60**

**Credits: 3**

**Course Code : 8P18/2E2/MGE//3P18/2E2/MGE**

**LTP: 3/1/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable students to understand the Models and Managerial Theories of the firm.
- To equip them in selecting projects under risk and uncertain conditions.

#### **COURSE OUTLINE:**

**UNIT I:** Definition of Economic Models – Types of Models – Analysing Cases in Managerial Economics – Usefulness of Case Study Method – Limitations of Case Study Method.

(15hrs)

**UNIT II:** Inventory Management- Types of Inventory - Methods of Inventory Control – EOQ – ABC - VED Analysis.

(10hrs)

**UNIT III:** Role of Government in Market Economy – Legal and Social Framework – Restraining Unfair Competition – Increasing Market Power – Reallocation of Resources – Redistribution of Income – Regulation of Natural Monopoly – Stabilisation of the Economy.

(15hrs)

**UNIT IV:** Risk in Project Analysis – Selection of a Project – Finite Horizon Method Certainty – Equivalent Approach – Decision Tree Approach – Sensitivity Analysis – Capital Budgeting – IRR – NPV.

(10hrs)

**UNIT V:** Forecasting - Economics and Business Forecasting Methods of Economic Forecasting – Evaluating Forecasts

(10hrs)



### **BOOKS FOR REFERENCE:**

1. Arnold, Chapman, Introduction to Material Management : Pearson, 5<sup>th</sup> Edition, 2008.
2. Eugene F Brigham, “ Financial Management Theory and Practice”, 2<sup>nd</sup> Hinsdale III – the Dryden Press, 2014.
3. Idenbaum, M.L (1979), “Business, Government and the Public, Englewood Cliffs, N.J Prentice Hall, India.
4. M. M.Varma, , “Materials Management “Sultan Chand & Sons, Fourth Ed, New Delhi 2003.
5. Metha.P.L. ,”Managerial Economics – Analysis, Problems and . Cases”, Sultan Chand & Sons, New Delhi, 2016.
6. Michael R Baye – Managerial Economics & Business Strategy – Mc. Graw Hill, USA, 5<sup>th</sup> Edition 2006.
7. Teman, D.R. and Stone Hill A.L., “ Multi National Business Finance”, Pearson Prentice Hall, 2012.
8. W.Bruce Allen, Neil A.Doherty, Keith Weigelt& Edwin Masfield – Managerial Economic Theory, Applications and Cases, W.W.Norton Company, London, 6<sup>th</sup> Edition, 2005.

### **WEBSITES AND e-LEARNING SOURCES:**

1. [www.gettingsmart.com](http://www.gettingsmart.com)
2. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
3. <https://ocw.mit.edu>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
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Part A : Can choose 5 questions, out of 8 covering all the five units.

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**Questions to be included from all units for section A and B. Questions should be 80% problems and 20% theory.**

## SEMESTER – II

### HUMAN RESOURCE MANAGEMENT

**Teaching Hours: 60**

**Credits: 3**

**Course Code: 8P18/2E/HRM**

**LTP: 3/1/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To make students know about Management of Human Resources.
- To enable the students to know about Human Resource Priority.
- To make students understand potential appraisal.

#### **COURSE OUTLINE:**

**UNIT- I:** Human Resource Management - Meaning – Objectives- Functions - Importance - Difference between HRM and Personnel Management - Role of HR Manager - Competencies of HR Manager – Difference between HRD and HRM.  
(10hrs)

**UNIT - II:** Human Resource Planning – Definition - Objectives - Process - Need and Importance - Recruitment – Sources – Techniques - Process – Selection- Steps - Testing – Interview – Types - Group Discussion - Competency Mapping.  
(10hrs)

**UNIT - III:** Placement - Induction – Training– Need- Importance - Objectives - Types – Techniques - Executive Development – Self Development – Knowledge Management.  
(15hrs)

**UNIT – IV:** Compensation Plan - Reward- Motivation- Theories of Motivation- International HRM.  
(10hrs)

**UNIT – V:** Performance Appraisal – Concept – Objectives – Uses – Steps - Methods of Performance Appraisal through MBO - 360<sup>0</sup> Appraisal – Promotion – Demotion - Transfer - Potential Appraisal.  
(15hrs)

**BOOKS FOR REFERENCE:**

1. Gary Dessler, Human Resource Management, Prentice Hall of India Pvt Ltd., (2006).
2. Human Resource Management, S.S.Khanka, S.Chand& Co. Pvt Ltd., (2005).
3. K.Aswathappa, Human Resource Management, Tata MC Graw Hill (2017).
4. Srinivas Kandula, HRM in Practice, Prentice. Hall of India Pvt Ltd., (2016).

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.gettingsmart.com](http://www.gettingsmart.com)
2. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
3. <https://ocw.mit.edu>

**QUESTION PAPER PATTERN:**

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Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**SEMESTER – III**  
**INDIAN ECONOMY**

**TEACHING Hours: 90**

**Credits: 4**

**Course Code: 8P18/3C/IEY//3P18/3C/IEY**

**LTP: 3/3/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To understand the structure of Indian Economy.
- To familiarize students with the Sectoral Dimension of Indian Economy.
- To analyse the various recent economic policies.

**COURSE OUTLINE:**

- UNIT I:** Features of Indian Economy - Indicators of Development - Human Development Index (HDI), Gender Development Index (GDI), PQLI, DAILYs, Happiness Index- Rank of India- The Theory of Demographic Transition –Size and Growth of Population in India –Birth Rate –Death Rate – The Sex Composition of Population –Age Composition –Density of Population –Urbanisation  
(20 Hrs)
- UNIT II:** Meaning, Types and Models- Mahalanobis - Input Output Multi-Sectoral Model– Planning Commission – Overview of Indian Five Year Plans - Eleventh and Twelfth Five Year Plans – Objectives- Evaluation and Appraisal- NITI Aayog.  
(20 Hrs)
- UNIT III:** Agricultural Growth – Major Factors Affecting Growth Potential – Agricultural Crisis and Rural Distress – Crop Insurance – Organic Farming – Agriculture Price Policy – Minimum Support Price linked with Production Cost – Food Management and Food Security.  
(15 Hrs)
- UNIT IV:** Industrial Growth – Index of Industrial Production – Performance of the Eight Core Industries – FIRE Sector – MSME – Make in India – Start Up India – Implementation of GST and its impact on Industrial sector.  
(20 Hrs)
- UNIT V:** FDI – Types – Trends in FDI inflows – Sectoral Composition – FDI Policy – FDI Inflows and its Impact on Indian Economy.  
(15 Hrs)

**BOOKS FOR REFERENCE:**

1. Economic survey – vol.2, Government of India, Ministry of Finance, Department of Economic affairs, Economic Division, August 2017.
2. Indian Economy, Dhingra I.C, S.Chand and Sons 2011.
3. Indian Economy, Dutt and Sundaram, S.Chand and Sons, 2013.
4. Planning Commission Reports, GOI, Various Issues.
5. Uma Kapila, “Indian Economy – Performance and Policies”, 16<sup>th</sup> Edition – Academic Foundation, New Delhi 2015-16.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
2. <https://ocw.mit.edu>
3. <https://www.edn.org>

**QUESTION PAPER PATTERN:**

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Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.



## SEMESTER-III

### MONETARY ECONOMICS

**Teaching Hours: 75**

**Credits : 4**

**Course Code : 8P18/3C/MOE//3P18/3C/MOE**

**LTP : 3/2/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable students to understand the concept of money and the theoretical and empirical dimensions of monetary system.

#### **COURSE OUTLINE:**

- UNIT I:** Demand for Money – The Classical Quantity Theory of Money – Cash Balance - Keynesian Theory of Demand for Money – The Post Keynesian Theory- Milton Friedman - W.J.Baumol - James Tobin – Don Patinkin’s Real Balance Effect – Transmission Mechanism of Monetary Policy. (15 Hrs)
- UNIT II:** Supply of Money – Measures of Money Supply – Determination of Money Supply – Currency Circulation in India – Empirical Relationship between Money Supply and Prices. 15 Hrs)
- UNIT III:** Implementation of Basel Norms – Capital Adequacy Ratio - Commercial Banks – Balance Sheet Analysis – Financial Indicators – Current ratio / Liquidity ratio – Debt-equity ratio – Tangible Network Operative Income – Return on Investment – Assets – Bankruptcy – Insolvency Code Act (15 Hrs)
- UNIT IV:** Financial Intermediaries – Non Banking Financial Intermediaries (NBFI) – Nature – Functions –Money and Capital Market in India. (15 hrs)
- UNIT V:** Phillip’s & Long Run Phillip’s Curve - Monetary Policy – Expansionary and Restrictive Monetary Policy - Time Lags in Monetary Policy- Recent Indian Monetary Policy - Demonetisation and its Impact. (15 hrs)

**BOOKS FOR REFERENCE:**

1. Don Patinkin Money, Interest and Price: An Intepretation of Monetary and Value Theory. A Harper, International Edition.
2. Gold Field and Chandler , The Economics of Money and Banking, Harper and Row, Newyork (2005).
3. Handbook of Monetary Economics Volume 3, (2010), Online Version –Science Direct.com.
4. M.L.Seth - Money, Banking, International Trade and Public Finance - Lakshmi Narian Agarwal – 2017.
5. Monetary Economics – An Integrated Approach to Credit, Money, Income, Production and Wealth – Godley, W.Lavole.M. (2012).
6. R.R.Paul, Monetary Economics, Kalyani Publishers, 2015.
7. Rituparna Das, “Determination of Money Supply in India: The Great Debate, “Working Paper Series, June 2009.
8. Weekly Statistical Supplement – RBI.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>>el.

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Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**SEMESTER-III**  
**RESEARCH METHODOLOGY AND COMPUTER**  
**APPLICATIONS IN ECONOMICS**

**Teaching Hours : 75**

**Credits : 4**

**Course Code : 8P18/3C/RMC//3P18/3C/RMC**

**LTP : 2/2/1**

**COURSE OBJECTIVES AND OUTCOME:**

- To understand the research, the research process in a scientific manner.
- To assist the students in preparing project dissertation and proposals.
- To learn the computer applications in Economic research.

**COURSE OUTLINE:**

**UNIT I:** The Scientific Approach – Aims of Social Sciences –Scientific Sciences – Scientific Revolution – Role of Methodology – Research Process – Conceptual Foundation of Research – Economic Theory and Methods – Axiomatic, Mathematical and Historical Methods – Theory, Models and Empirical Research – Basic Elements in Research – Identification of a Research Problem – Hypothesis Formulation and Testing – Research Process – Ethics in Research. (15 hrs)

**UNIT II:** Principles and Process in Data Collection – Primary Data – Case Study Method–Survey Research – Sample Selection – Sampling Design – Preparation of Structure Interview Schedule – Construction of Questionnaire – Pilot Study – Classification and Tabulation – Diagrammatic Representation – Secondary Data – Sourcing of Data for India and Tamil Nadu – Census of India, NSSO, Economic Survey , RBI Report , Agricultural Census, Annual Survey of Industries. (15 hrs)

**UNIT III:** Concept of Data, Record and File – Type of Data and Data Structure – Data – File handling and operations – Data storage and retrieval – Data Operations – Algorithms like Sorting , Merging, Joining and Bifurcation – Data Base Concept and Operation on Data Base. (15 hrs)

**UNIT IV:** Series – Group tables – Groups and objects – Time and Frequency Series – Regression Methods and Techniques – Regression Analysis – Trends and Forecasting – Report writing – Plan of Research report – Style & Mechanics of writing Research report. (15 hrs)

**UNIT V:** Application of Software to Economic Research – (Practical Classes). (15 hrs)

**BOOKS FOR REFERENCE:**

1. Bhattarya S.K., 1990, Methodology in Research.
2. Das Gupta, 1995, Methodology in research.
3. Feber and Verdorn, Research Methods in Economics and Business (2005)
4. Goode, 1983, William J and Paul K Hatt, Methods in Social Research, McGraw Hill International Book Co., London.
5. Young, Pauline V, 1977, Scientific Social Surveys and Research, Prentice Hall of India, New Delhi.
6. C.Rangarajan – GOI –Commission for Statistics.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>el>.
3. <https://elearneconomics.com>

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Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**SEMESTER – III**  
**MARKETING MANAGEMENT**

**Teaching Hours : 60**

**Credits : 3**

**Course Code : 8P18/3E3/MKM**

**LTP : 3/1/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To enable the students to understand the essentials of Marketing Management.

**COURSE OUTLINE:**

**UNIT I:** Definition of Marketing Management – Evolution, Functions and Characteristics – Problems – Creativity in Marketing – Marketing Tools  
(20hrs)

**UNIT II:** Marketing Mix – Personal Selling – Advertisement – Sales Promotion – Public Relations – Functions and Importance - Consumer Marketing - Services Marketing.  
(10hrs)

**UNIT III:** Market Segmentation – Importance – Bases – Methods- Marketing Network.  
(10hrs)

**UNIT IV:** Marketing Planning and Strategic Planning – Definition - Importance – Benefits of Planning Process- Marketing Information – Consumer Behaviour – Marketing Ethics.  
(10hrs)

**UNIT V :** Marketing Organization – Evolution – Essentials – Principles – Types, Marketing Environment – Meaning – Types – Internal and External - e-Commerce - Telemarketing – Online Marketing.  
(10hrs)

**BOOKS FOR REFERENCE:**

1. Marketing Management – A South Asian Perspective – Phillip Kotler, 2009
2. Marketing Management – M. Govindarajan, 2007.
3. Marketing Management – Phillip Kotler, Kevin 2016
4. Marketing Management – RSN Pillai 2010
5. Marketing Management – Saxena - 2019.
6. Strategic Marketing Management – Chernev Alexander – 2018.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>el>.
3. <https://elearneconomics.com>



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Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**SEMESTER – III**  
**PORTFOLIO MANAGEMENT**

**Teaching Hours: 60**

**Credits : 3**

**Course Code : 8P18/3E4/PFM**

**LTP : 3/1/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To enable the students to understand the Basics of Portfolio Management.

**COURSE OUTLINE:**

- UNIT I:** Definition of Investment- Risk and Return, Investment Avenues - Investment Attributes and Structure of the Capital Market - Definition - Portfolio Management - Functions of Portfolio Management, Types of Managed Portfolios - Portfolio Management Practices in India. (10hrs)
- UNIT II :** Concept of Risk in Finance Theory - Sources of Risk - Diversification of Risk - Measurement of Risk - Return in Individual Stocks and Portfolios - Markowitz Diversification and Classification of Risks - Sharpe's Single Index Market Model. (15hrs)
- UNIT III:** Importance of Macro-Economic Environment in Security Evaluation - Opportunities and Threats in Macro-Economic Environment - Trade Cycles and Economic Forecasting Techniques. (10hrs)
- UNIT IV:** Efficient Market Theories – Cootner's Price - Value Interaction Model - Samuelson's Continuous Equilibrium Model - Different Forms of Efficient Market Hypothesis and Their Implications. (15hrs)
- UNIT V:** Capital Asset Pricing Model –Basic Assumptions of the CAPM – Issues Behind the CAPM Framework - Capital Market Line-- Security Line –APT – Multi-Factor Models. (10hrs)

**BOOKS FOR REFERENCE:**

1. Advanced Project PFM and the PMO Steven C. Rollins, J. Ross Publishers USA 2003.
2. PFM A Strategic Approach Dr.Ginger Levin John Wyzalek, CRC Press, USA 2015.
3. Project PFM Harvey A Levine Wiley India Pvt Ltd New Delhi 2007.
4. Roineering PFM David F Swensen, Free Press, New York, London 2009.
5. Security Analysis and PFM S Kevin, PHI Learning Pvt Ltd Delhi 2015.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>el>.
3. <https://elearneconomics.com>

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Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

**SEMESTER – III**  
**PUBLIC RELATIONS**

**Teaching Hours: 60**

**Credits: 3**

**Course Code : 8P18/3E/PUR**

**LTP : 3/1/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To understand the importance of developing goodwill of organization with the public at large and to identify the various tool used to promote public relations.

**COURSE OUTLINE:**

**UNIT I:** Definition – Distinction between Public Relations and Related Concepts – Publicity - Advertising - Press Agency – Propaganda - and Sales Promotion.

(15hrs)

**UNIT II:** Communication – Definition- Nature - Role and Scope of Communication – Elements of Communication Model – Effect of Public Relations in Communication.

(10hrs)

**UNIT III:** Methods of Public Relations – Press – Printed Word – Photography – Exhibition and Trade Fairs – Film – Radio and Television – Speaking in Public.

(15hrs)

**UNIT IV:** Role of Research in Public Relations – Definition – Purpose – Formal and Informal Methods – Steps in the Survey Research Project.

(10hrs)

**UNIT V :** Planning in Public Relations – Strategy Planning – Objectives – Planning Process – Ethics of Public Relation – Social Responsibility – Code of Professional Standards for the Practice of PR – IRSI – Code of Ethics.

(10hrs)

**BOOKS FOR REFERENCE:**

1. Effective Public Relations (Practice) – Cutlip Scott M, and CenterAllen.H (2009).
2. Press Relations – Frank Jefkins (1998).
3. The Process & Effects of Mass Communication – Schramm, Wilbur (1971).

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>el>.
3. <https://elearneconomics.com>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

### SEMESTER III

## YOGA AND MEDITATION FOR BETTER LIVING

Teaching Hours : 30

Credits: 2

Course Code : 8P18/3S/YML//3P18/3S/YML

LTP: 1/0/1

### COURSE OBJECTIVES AND OUTCOME:

- To enable the students to inculcate the art of Yoga and Meditation in Day – to – Day Life and help them experience the stress relief and rejuvenation.

### COURSE OUTLINE:

**UNIT I:** Yoga – Introduction – Yoga as a science of art - The five elements – Balancing the five elements- Yoga and Health Benefits ( The physical and Mental) – Theoretical insight into 12 Asanas – Pranayama techniques – Surya pranayama – Nadishuddi and Bastrika – Diet – Nutrition and Health – Understanding Human anatomy and Acupressure Points and benefits.

(10hrs)

**UNIT II:** Meditation – Introduction – Brain Wave Patterns – Functions of Right brain & Left brain- The sub Conscious Mind – Chakras – Anthakarna – Koshas – Goal visualization – The physical body and the Etheric body – Positive affirmations.

(10hrs)

**UNIT III:** Practice on 12 Asanas and simplified physical exercises – Practical sessions on Meditation –Surya Namaskar– Practical lessons on few Mudras.

(10hrs)



**BOOKS FOR REFERENCE:**

1. Meditation for Beginners – Vikasthalkani.
2. Simplified Physical Exercises – Vethathiri Maharishi.
3. Yoga Sutras of Patanjali – HariharanandaAranya, University of Calcutta Press, Calcutta.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>el>.
3. <https://elearneconomics.com>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer any ten out of twelve (10x 5=50 marks)	Application / Analysis / Synthesis / Evaluation	50 Marks

Part A : Definition and Descriptions 12 questions, at least two from each unit.

## SEMESTER- IV

### ECONOMICS OF GROWTH AND DEVELOPMENT

Teaching Hours: 90

Credits: 4

Course Code : 8P18/4C/EGD// 3P18/4C/EGD

LTP : 3/3/0

#### COURSE OBJECTIVES AND OUTCOME:

- To enable the students to know about Development Indices.
- To make the students understand Development and Growth Models.
- To enable the students to become proficient for NET and SET Exams.

#### COURSE OUTLINE:

- UNIT I:** Introduction – Economic Growth, Economic Development and Sustainable Development – Vicious Circles of Poverty, Measures of Development: HDI and Quality of Life Indices, Measures of Inequality, Development Gap, Country Characteristics and Cross Country Comparisons, Relationship between Population, Poverty and Environment – Global Happiness Index.  
(15 hrs)
- UNIT II:** Model of Growth – Harrod – Domar Model – Nobel Laureate Robert Solow Model of Steady – Growth – Joan Robinson’s Model – Meade Steady Growth Model – Kaldor’s Growth Model – Two Sector Model of Uzawa.  
(20 hrs)
- UNIT III:** Theories of Development – Adam Smith, Thomas Robert Malthus – Nobel Laureate Arthur Lewis – Model of Development – Ranis and Fei Model of ‘Dual Economy’ – Harris – Todaro Model of ‘Rural – Urban Migration’- Jorgensons Model- Dixit and Margline Model.  
(20 hrs)
- UNIT IV:** Choice of Techniques and Appropriate Technology – Nobel Laureate James M. Buchanan (1986) Cost – Benefit Analysis – Myrdal Theory of Cumulative Causation – Shadow Prices – Leibenstein’s Critical Minimum Effort Theory.  
(20 hrs)
- UNIT V:** New Technology and Sustainable Agriculture- Globalization and Agriculture – International Trade as an engine of growth, inward looking and outward oriented strategies for development, Import Substitution and Export led growth, Dual Gap Analysis- A Paradoxical Theorem (Mundell).  
(15 hrs)

### **BOOKS FOR REFERENCE:**

1. A N Agarwal and S P Singh (Eds); 1958 – The Economics of Underdevelopment, Volumes I, II and III; Oxford University Press.
2. A.Sen (Ed) – 1970- Growth Economics: Selected readings; Penguin.
3. Benjamin Higgins Economic Development, Problems, Principles and Policies, Universal Book Stall, New Delhi.
4. Debraj Ray, 1998; Development Economics, Oxford Indian Paperbacks.
5. Edward Shapiro, Macro Economics, Galgotia, New Delhi.
6. H.G.Mannur International Economics, Vikas Publishing House, New Delhi.
7. Hywel G Jones – 1976 – An Introduction to Modern theories of Economic Growth: McGraw Hill.
8. KaushikBasu, 1998; Analytical Development Economics: The Less Developed Economy Revisited, Oxford Indian Paperbacks.
9. M.L.Jhingan The Economics of Development and Planning, Vrinda Publication New Delhi.
10. Taneja& Meier – Growth & Development Model & Planning 2015.

### **WEBSITES AND e-LEARNING SOURCES:**

1. <http://www.coursera.org/learn/economics>
2. <http://www.springboard.com>
3. [www.economicdiscussion.com](http://www.economicdiscussion.com)

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER – IV

### INTERNATIONAL ECONOMICS

**Teaching Hours : 90**

**Credits : 4**

**Course Code : 8P18/4C/INE // 3P18/4C/INE**

**LTP : 3/3/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable the students to understand the Theories and Tools of International trade.
- To understand the exchange control measures and FDI.
- To have an insight on International Institutions.

#### **COURSE OUTLINE:**

- UNIT I:** Theories of International trade – Samuelson’s Factor – Price Equalisation Theory - Factor Intensity Reversals – Single – Multiple – Stolper Samuelson Theorem – Rybczynski Theorem –Leontief Paradox, Immiserising growth.  
(15 hrs)
- UNIT II:** Trade welfare and Terms of Trade of a Small country and Large country - Factors determining Terms of Trade - Gains from trade – Potential gain and Actual gain - Gains from Trade in the case of Large and Small country – Static gain and Dynamic gain- Preferential Trade Areas (PTAs)- Free Trade Areas (FTAs)- TRIPS- TRIMS- TPRM.  
(20 hrs)
- UNIT III:** Exchange control measures – Objectives - Methods – Determination of Equilibrium Exchange Rate – Theories – MintPar – Purchasing Power Parity – Balance of Payment theory – Fixed versus Flexible Exchange Rate; Financial Globalisation and Financial Crisis.  
(20 hrs)
- UNIT IV:** Foreign Direct Investment – Types – Merits and Demerits – Role and Functions of Multinational Corporations and MNB’s – Technology transfer. Impact of Foreign Capital on India’s Economic Development - Outflow of FDI.  
(20 hrs)
- UNIT V:** IMF- World Bank- GATT- WTO- European Bank for Reconstruction and Development- G20- ADB- BRICS- Brexit- Globalisation and its Impact on India’s Trade – Rationale and Impact of Trade Reforms since 1991 on BOP, FDI, Employment and Growth - Trading Blocs –SAARC – NAFTA – EU - ASEAN.  
(15 hrs)

**BOOKS FOR REFERENCE:**

1. Bosodersten- International Economics, Macmillan Press Ltd London 2014.
2. Charles. P Kindleberger – International Economics. Macmillan Press Ltd London, 1999.
3. Dominick Salvatore – International Economics. John Wiley International Student Edition 2014.
4. M.L. Jhingan - International Economics. M.L. Vrindha Publications, 2016.
5. Paul Krugman, MaurisObstfield and Marc Melitz, Addison- Wesley International Economics Theory and Policy, Pearson Education Indian Edition 2014.
6. Robert Carbaugh- International Economics- Cengage Learning 2016.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.nic.edu/calt/olc](http://www.nic.edu/calt/olc)
2. <https://ocw.mit.edu>
3. <https://www.edn.org>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.



## SEMESTER IV

### ENVIRONMENTAL ECONOMICS

**Teaching Hours : 90**

**Credits : 4**

**Course Code : 8P18/4C/ENE//3P18/4C/ENE**

**LTP : 3/3/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To evaluate the current policy, practices in environmental protection.
- To understand the hazards of resources depletion.
- To enhance student's ability to analyze Environmental policy issues.

#### **COURSE OUTLINE:**

- UNIT I:** Introduction to Environment in Economic Theory – Classification of Resources – Material Balance Approach. (15 hrs)
- UNIT II:** Environmental Resources – Scarcity and Choice – Economic Efficiency; Efficient allocation - Efficiency in Consumption Production and Product Run Efficiency - Social Welfare Function and Optimality - Inter – Temporal Efficiency - Optimal allocation and a market Economy – Market Failure and Public Policy – Externality and Public Goods- Externality and Economic Efficiency. (20 hrs)
- UNIT III:** Harvesting Renewable and Non-Renewable Resources – Simple Optimum Resource Depletion Model – Resource extraction in Perfect Competition and Monopolistic market – Dynamic of Resources Harvesting – Socially optimal resource harvesting - Economics of Forestry – Conservation of Resources. (20 hrs)
- UNIT IV:** Pollution and Depletion of Quality and Quantity of Environmental Resources – Classification of forms of Pollution – Nature of Emissions – Transboundary Protection – Efficient level of Pollution – Pollution Abatement – Issues in Economics of Pollution – Technological Progress. (20 hrs)
- UNIT V:** Environment and Economic Policy – Coase Theorem – Economically efficient and cost effective pollution abatement programs – Forms of Direct regulation (tax, subsidies and permits)- Hedonic Valuation- Economic growth and Natural Environment Population Growth, Economic, International and Global Environmental Population Problems – SDG (Environment Goals). (15 hrs)

**BOOKS FOR REFERENCE:**

1. Environmental and Natural Resource Economics 11<sup>th</sup> Edition- Tom Tietenberg and Lynne Lewis 2017.
2. Environmental Economics- Karpagam. M. Sterling Publisher Private Ltd. 1999.
3. Environmental Economics: Theory and Applications- Katar Singh, Anil Shishodia Sage Publication, 2007.
4. Handbook of Environmental and Resource Eco- Jeoren C.J.M., Vanden Bergh, 1999.

**WEBSITES AND e-LEARNING SOURCES:**

1. [www.economicdiscussion.com](http://www.economicdiscussion.com)
2. [www.decd.org>edu>leri](http://www.decd.org>edu>leri)
3. [www.gettingsmart.com](http://www.gettingsmart.com)

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## **SEMESTER – IV**

### **PROJECT**

**Teaching Hours : 90**

**Credits : 4**

**Course Code : 8P18/4C/PRJ**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To enable students to understand the significance of conducting research in a scientific manner.
- Submission of Project Report on any Business Economic Issue.

**SEMESTER – IV**  
**EVENT MANAGEMENT**

**Teaching Hours : 60**

**Credits : 3**

**Course Code : 8P18/4E5/EMT**

**LTP : 3/1/0**

**COURSE OBJECTIVES AND OUTCOME:**

- To get knowledge about the various aspects of Event Management.

**COURSE OUTLINE:**

- UNIT I:** Introduction to Event Management – Definition – Historical Perspective  
Types – Scope – Design – Code of Ethics.  
(15hrs)
- UNIT II:** Principles of Event Management – Concept of Designing – Analysis of  
Concept – Logistics of Concept.  
(15hrs)
- UNIT III:** Departments in Event Management – Finance and Accounts in Events – Role  
of Event Manager – Employment Opportunities- Creativity in Event  
Management – Set Design, Sound, Light, Special effects – Televised- Events –  
Use Of Internet in Event Management.  
(10hrs)
- UNIT IV:** International Events – Awards – Special Events – Celebrity and Artiste  
Management - Sports- Keys to Success – SWOT Analysis.  
(10hrs)
- UNIT V:** Event Management Industry in India—Institutions—Agencies—  
Networking—Contract—Sub contract—Outsourcing.  
(10hrs)

### **BOOKS FOR REFERENCE:**

1. Bruce L. Skinner & Vladimir Rukavi – Event Sponsorship, John Wiley & Sons, inc, Canada, 2003.
2. Event Entertainment and Production – Mark Sonder Wiley & sons 2012, USA.
3. Event Management An International Approach 2nd Edition – Nicole Ferinand Paul J Kitchin Sage Publication 2017.
4. Event Management an Introduction Charles Beladen at al Routledge Publication UK – 2012.
5. Gold Blatt, Dr.Joe – Special Events; Twenty first Century Global Even Management, John Wiley & Sons inc,New York,2002.
6. Julia Rutherford Silvers – Professional Event Co-Ordination John Wilely& Sons, inc, Canada, 2004.
7. Peter Tarlow – Event Risk Management and Safety, John Wiley & Sons, inc, New York,2002.
8. Sustainable Event Management – A Practical Guide – Meegan Jones – Earlk Scan 2012, 2012.

### **WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>el>.
3. <https://elearneconomics.com>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Part A Answer five out of eight questions (5x8=40)	Definitions, Descriptions, Concepts Evaluation	40 Marks
Part B Answer any three out of five questions (3x20=60)	Understanding Descriptions/ Problems Application/Analysis/ Synthesis/ Evaluation	60 Marks

Part A : Can choose 5 questions, out of 8 covering all the five units.

Part B : Can choose 3 questions out of 5 questions covering all the five units.

## SEMESTER IV

### EMPLOYABILITY SKILLS

Teaching Hours : 30

Credits : 2

Course Code : 8P18/4S/EMS//3P18/4S/EMS

LTP: 2/0/0

#### COURSE OBJECTIVES AND OUTCOME:

- To help the students to prepare CV and equip them to face interview.

#### COURSE OUTLINE:

**UNIT I:** Employability Skills – Verbal Communication – Team Work – Awareness – Analysing and investigating – Self Motivation – Drive – Written Communication – Planning and Organising – Flexibility – Time Management- Preparing a Curriculum Vitae- Key Information. (15Hrs)

**UNIT II:** Reasoning- Cognitive Skills- Retention Skills. (5 hrs)

**UNIT III:** Personality Skills- Expressive Skills- Leadership Skills- Attitude and Aims Skills. (10 hrs)



**QUESTION PAPER PATTERN:**

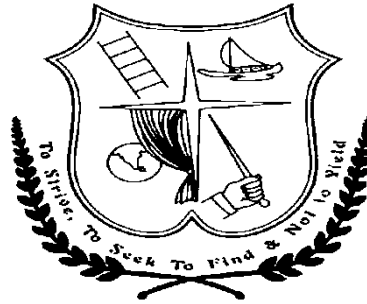
<b>COMPONENT</b>	<b>PATTERN</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
Section A	Answer any ten out of twelve (10x 5=50 marks)	Application / Analysis / Synthesis / Evaluation	50 Marks

Part A : Definition and Descriptions 12 questions, at least two from each unit.

**ETHIRAJ COLLEGE FOR WOMEN**

**(AUTONOMOUS)**

**Chennai - 600 008**



**POST GRADUATE & RESEARCH  
DEPARTMENT OF ECONOMICS**

**Master of Philosophy**

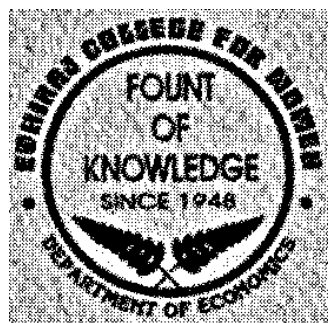
**in**

**Economics**

**Syllabus**

**Choice Based Credit System**

*(Offered from the academic year 2018-2019)*



**DEPARTMENT OF ECONOMICS**  
**REVISED SYLLABUS OF JUNE 2018**

Department of Economics is revising syllabi with effect from the academic year 2018-2019 with CBCS for **M.Phil. Economics** as specified by the Government of Tamil Nadu that will seek to build the capacity of the students and provide inputs for their social service and social analysis capabilities.

Every academic year is divided into two semester sessions. Each semester will have a minimum of 90 working days and each day will have 5 working hours. Teaching is organized into a modular pattern of credit courses. Credit is normally related to the number of hours a teacher teaches a particular subject. It is also related to the number of hours a student spends learning a subject or carrying out an activity.

**PREAMBLE**

The Department of Economics submits changes and additions suggested in the M.Phil curricula that are given in the ensuing pages.

- Reorganization of Courses in the M.Phil programme.
- Modification of course content in courses to pursue further research.

**REGULATIONS**

**1. ELIGIBILITY FOR ADMISSION:**

Candidates for admission to the first year of the Degree of **M.Phil Economics** course shall be required to have passed M.A.Economics / Business Economics conducted by the University of Madras or an Examination accepted as equivalent thereto by the Syndicate of the University of Madras.

**2. ELIGIBILITY FOR THE AWARD OF DEGREE:**

A candidate shall be eligible for the award of the Degree only if she has undergone the prescribed course of study for a period of not less than one academic years and passed the examinations of the semesters prescribed.

### **3. COURSE OF STUDY:**

The main subject of study for Masters Degree shall consist of the following:

CORE COURSES

DISSERTATION

### **4. PASSING MINIMUM:**

A candidate shall be declared to have passed in each paper/practical of the main subject of study wherever prescribed, if she secured NOT LESS THAN 50% of the marks prescribed for the examination.

### **5. CLASSIFICATION OF SUCCESSFUL CANDIDATES:**

Successful candidates passing the examination and securing the marks (i) 60 percent and above and (ii) 50 percent above but below 60 percent in the aggregate shall be declared to have passed the examination in the FIRST and SECOND class respectively.

Candidates who pass all the examinations prescribed for the course in the FIRST APPEARANCE ITSELF ALONE are eligible for ranking.

## 6. COURSE PROFILE

### M.PHIL ECONOMICS

SEM	COURSE CODE	COURSE TITLE	HRS/WK	CREDITS	CA MARKS	END SEMESTER MARKS	TOTAL
I	3M18/RMY	Research Methodology	6	5	40	60	100
I	3M18/CWE	Contemporary World Economic Issues	6	5	40	60	100
I	3M18/AHE	Advanced Health Economics	6	5	40	60	100
I	3M18/DIS	Dissertation	6	21			100

## 7. EVALUATION PATTERN CONTINUOUS ASSESSMENT

SEM	COURSE CODE	COURSE TITLE	CA							End Sem Marks	Total
			Test		Assignment		Participatory Learning		Total		
			No	Marks	No	Marks	No	Marks			
I	3M18/RMY	Research Methodology	2	20	1	10	1	10	40	60	100
I	3M18/CWE	Contemporary World Economic Issues	2	20	1	10	1	10	40	60	100
I	3M18/AHE	Advanced Health Economics	2	20	1	10	1	10	40	60	100
I	3M18/DIS	Dissertation			2	20	2	20	40	60	100

## SEMESTER – I

### RESEARCH METHODOLOGY

**Teaching Hours: 90**

**Credits: 5**

**Course Code: 3M18/RMY**

**LTP:3/2/1**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To understand Research and Research process in a Scientific Manner.

#### **COURSE OUTLINE:**

**UNIT-I:** Meaning of Research- Qualities of a Research Worker - Pure and Applied Research- Scientific Method of Research- Definition- Stages - Steps- Logical- Inductive- Deductive Methods- Ethics in Research.

20 hrs

**UNIT-II:** Purpose of Research- Functions of Research - Research Problem - Research Design- Research Process - Statistical Unit- Sampling Methods- Observation- Case Study- Experimental- Interview- Questionnaire- Pilot Study- Planning of Survey.

20 hrs

**UNIT-III:** Statistical Tools- Descriptive Statistics- Correlation- Partial- Multiple- Regression- Forecasting- Fitting a Trend Line- Formulation of Hypothesis- Testing of Hypothesis - Z test- t test-Anova- Chi square- Use of Excel and SPSS- Univariate - Bivariate Analysis.

20 hrs

**UNIT-IV:** Sources of Data- Determination of Sample Size- Collection- Classification- Tabulation- One Way- Two Way- Presentation- Analysis - Application of Statistical Tools- Interpretation of Results.

20 hrs

**UNIT-V:** Preparation and Writing of Research Report- Styles of Writing- MLA Style- Front Matter- Title Page- Table of Contents- List of Tables and Figures- Foot Notes- Back Matter- Appendices- Glossary- Bibliography.

10 hrs

**BOOKS FOR REFERENCE:**

1. Kothari, C.R Research Methodology- Methods and Techniques, Wiley & Eastern Ltd. New Delhi (2008).
2. Ahuja Ram, "Research Methods", Rawat Publications, Jaipur, 2002.
3. Goode, W.J & Paul K. Hart, "Methods in Social Research", MC Graw Hill, London, 1981.
4. Mukheyi P.N (Ed) "Methodology in Social Research" Sage Publication, New Delhi, 2000.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://www.khanacademy.org>
2. <https://www.economicsnetwork.ac.uk>el>.
3. <https://elearneconomics.com>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
	Descriptions / Illustrations / Elucidate / Analysis / Critical Evaluation	100 Marks

Can choose 5 questions, out of 10 covering all the five units.



## SEMESTER – I

### CONTEMPORARY WORLD ECONOMIC ISSUES

**Teaching Hours: 90**

**Credits: 5**

**Course Code: 3M18/CWE**

**LTP: 3/3/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To understand the crises that world economy confronted.
- To have an in-depth information on financial crisis in various countries.

#### **COURSE OUTLINE:**

**UNIT-I:** World Economy - Performance Indicators- Oil Crisis 1970s- The Debt Crisis- 1980's- Financial Crisis- 1990's- Global Economic Imbalances in 2000's – Global Financial and Economic Crisis 2008-09- Eurozone Crisis 2010- Causes and Consequences.

25 hrs

**UNIT-II:** Financial Crisis of Asia (1997) - Japan and Sweden (1990's) - Russia (1998) Argentina (2002) - Turkey (2001-02).

25 hrs

**UNIT-III:** Trade Reforms - Multilateralism- Regionalism and Preferential Agreements Protectionism –Doha round – Recent Two WTO Ministerial Conferences.

20 hrs

**UNIT-IV:** Global Financial Crisis – Absorption of Crisis in other countries and Economies.

10 hrs

**UNIT-V:** Global Economic Imbalances- Future of US Dollar - IMF and its Recent Reforms.

10 hrs

### **BOOKS FOR REFERENCE:**

1. Andrew Walter and Gautam Sen (2009) “Analyzing the global Political Economy  
Princeton University Press.
2. Paul Krugman and Maurice Obstfeld, “International Economics: Theory and Policy”
3. Graham Bird (2007): An Introduction to International Macro Economics: Theory,  
Policy and Application, 3<sup>rd</sup> Edition-Palgrave.
4. Bird 2007: An introduction to International Macro Economics. Theory, Policy and  
Application

### **Journal**

1. Finance and Development
2. World Economics

### **Report**

1. World Economic Outlook , IMF
2. World Development Report Oxford University press.
3. International Financial Statistical , IMF
4. Human Development Report, UNDP, Oxford University Press.
5. Global Economic Crises and its impact on India, Rajya Sabha Secretariat, New  
Delhi- 2009.

### **WEBSITES AND e-LEARNING SOURCES:**

1. <http://www.springboard.com>
2. [www.economicdiscussion.com](http://www.economicdiscussion.com)
3. [www.decd.org>edu>leri](http://www.decd.org>edu>leri)

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
	Descriptions / Illustrations / Elucidate / Analysis / Critical Evaluation	100 Marks

Can choose 5 questions, out of 10 covering all the five units.

## SEMESTER – I

### ADVANCED HEALTH ECONOMICS

**Teaching Hours: 90**

**Credits: 5**

**Course Code: 3M18/AHE**

**LTP: 3/3/0**

#### **COURSE OBJECTIVES AND OUTCOME:**

- To analyse the importance of health sector to Economic Development.
- To equip the students with the knowledge on health economics to prepare their thesis.

#### **COURSE OUTLINE:**

**UNIT-I:** Introduction to Health Economics - Need of Health Care- Production of Health Care - Financing- Efficiency- Equity- Determinants for Health Care - Access and Access Barriers - Determinants of Demand for Health Care - Market Failures- Externalities - Government Intervention.

20 hrs

**UNIT-II:** Efficiency in Health Care Production – Concept – Technical - Production and Allocation Efficiency- Measuring – Equity - Health Care Delivery - Alternative Branches of Health - Homeopathy- Ayurveda – Siddha - Yoga- Meditation.

20 hrs

**UNIT-III:** Financing of Health Care- Concept - Tax Financed Health Care System- Private Health Insurance - Social Health Insurance Schemes in India- Community Health Insurance – Out-of-Pocket Payments - Medical Saving Scheme in India- Quality of Health Care and Medical Mal-practices.

20 hrs

**UNIT-IV:** Market for Physician's Services - Market of Drugs and Pharmaceuticals - Patent of Drugs - Sale of Banned Drugs - Impact- Cost of Drugs - Regulatory Role of Government.

20 hrs

**UNIT-V:** Macro Economics and Health- Relationship between Ill-health and Poverty- Health and Sustainable Development Goals- MDG.

10 hrs

**BOOKS FOR REFERENCE:**

1. Arrow K, Social Choice and Individual Values (1975).
2. Folland S, Goodman A.C, and Stano.M, “The Economics of Health and Health Care, Macmillian, 3<sup>rd</sup> Edition, (2000).
3. Morris S., Appleby.J and Parakin D, “Economic Analysis of Health Care” 2012.
4. Volan Brian (1993) Economics Incentives, Health Status and Health services, Utilisation, Journal of Health Economics, Vol II. 1993.

**WEBSITES AND e-LEARNING SOURCES:**

1. <https://oyc.yale.edu>
2. <https://academicearth.org/economics>
3. <https://rescuoc.edu/>

**QUESTION PAPER PATTERN:**

<b>COMPONENT</b>	<b>NATURE OF THE QUESTION</b>	<b>MAXIMUM MARKS</b>
	Descriptions / Illustrations / Elucidate / Analysis / Critical Evaluation	100 Marks

Can choose 5 questions, out of 10 covering all the five units.