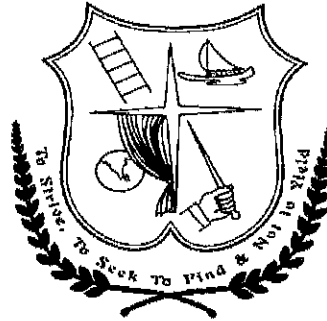


**ETHIRAJ COLLEGE FOR WOMEN**

**(AUTONOMOUS)**

**Chennai - 600 008**



**POST GRADUATE & RESEARCH**

**DEPARTMENT OF ECONOMICS**

**B. A. (ECONOMICS)**

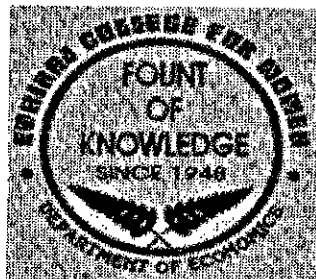
**M. A. (GENERAL & BUSINESS) ECONOMICS**

**M.Phil ECONOMICS**

**Syllabus**

**Choice Based Credit System**

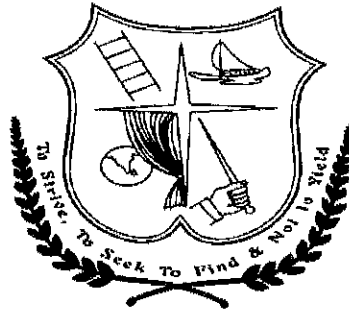
**(Offered from the Academic Year 2018-2019)**



**ETHIRAJ COLLEGE FOR WOMEN**

**(AUTONOMOUS)**

**Chennai - 600 008**



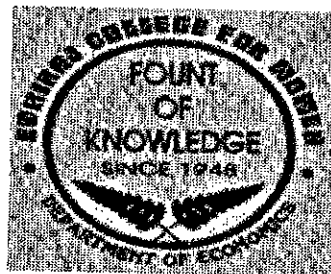
**POST GRADUATE & RESEARCH  
DEPARTMENT OF ECONOMICS**

**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 TANSCHÉ
- 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	EC18/E2/MNE	Managerial Economics	5	40	60	100	
		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/TNE	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

Class	Code	Title	Hours	Credits	CA	Sem	Total
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, Harper 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. Powelson.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

### 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)

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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 – 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>

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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, NewDelhi 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)

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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>

**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

### 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. Bladckhouse, 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 A	Answer all the question (10 x 2= 20 Marks)	Definitions, Descriptions, Concepts.	20 Marks
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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)

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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

### 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)

**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/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



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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-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 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

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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

### 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 EconmicLitreature, Volume 30, pp.675-740.
5. Robert N.Stavins (ed.), Economics of the Environmnet: 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:**

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)

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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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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, Maheshwari 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>

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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:**

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

<https://academicearth.org/economics>



**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.