

**B.A. ECONOMICS**  
**SYLLABUS - 2014**

**SCHOOLS OF EXCELLENCE**  
**with**  
**CHOICE BASED CREDIT SYSTEM (CBCS)**



**SCHOOL OF MANAGEMENT STUDIES**  
**St. JOSEPH'S COLLEGE (Autonomous)**

Accredited at 'A' Grade (3<sup>rd</sup> Cycle) by NAAC  
College with Potential for Excellence by UGC  
**TIRUCHIRAPPALLI - 620 002, INDIA**

## SCHOOLS OF EXCELLENCE WITH CHOICE BASED CREDIT SYSTEM (CBCS)

### POST GRADUATE COURSES

St. Joseph's College (Autonomous), a pioneer in higher education in India, strives to work towards the academic excellence. In this regard, it has initiated the implementation of five "Schools of Excellence" from this academic year 2014 – 15, to standup to the challenges of the 21<sup>st</sup> century.

Each School integrates related disciplines under one roof. The school system allows the enhanced academic mobility and enriched employability of the students. At the same time this system preserves the identity, autonomy and uniqueness of every department and reinforces their efforts to be student centric in curriculum designing and skill imparting. These five schools will work concertedly to achieve and accomplish the following objectives.

- Optimal utilization of resources both human and material for the academic flexibility leading to excellence.
- Students experience or enjoy their choice of courses and credits for their horizontal mobility.
- The existing curricular structure as specified by TANSCH and other higher educational institutions facilitate the Credit-Transfer Across the Disciplines (CTAD) - a uniqueness of the choice based credit system.
- Human excellence in specialized areas
- Thrust in internship and / or projects as a lead towards research and
- The **multi-discipline** nature of the newly evolved structure (School System) caters to the needs of stake-holders, especially the employers.

### What is Credit system?

Weightage to a course is given in relation to the hours assigned for the course. Generally one hour per week has one credit. For viability and conformity to the guidelines credits are awarded irrespective of the teaching hours. The following Table shows the correlation between credits and hours. However, there could be some flexibility because of practical, field visits, tutorials and nature of project work.

For UG courses, a student must earn a minimum of 150 credits as mentioned in the table below. The total number of minimum courses offered by a department are given in the course pattern.

## SUMMARY OF HOURS AND CREDITS UG COURSES ECONOMICS

Part	Semester	Specification	No. of Courses	Hours	Credits	Total Credits
I	I-IV	<b>Languages</b> (Tamil/Hindi/French/Sanskrit)	4	16	12	<b>12</b>
II	I-IV	<b>General English</b>	4	20	12	<b>12</b>
III	I-VI	<b>Core</b> Theory Practicals Internship & Project Work Comprehensive Exam	17	90	69	
		<b>Core Electives</b>	3	12	11	
		<b>Allied</b>	4	24	18	
		<b>Additional Core Courses for Extra Credits</b>	-	-	-	
IV	V-VI	<b>Skilled Based Electives</b> Between Schools (BS) Within School (WS)	1 1	2 2	2 2	<b>4</b>
		<b>Inter Departmental Courses (IDC)</b> - Soft Skills	1	2	2	<b>2</b>
	I-IV	<b>NMC</b> Communicative English Computer Literacy	1 1	0 2	5 2	<b>7</b>
		<b>Environmental Studies</b>	1	2	2	<b>2</b>
		<b>Value Education</b>	4	8	8	<b>8</b>
V	I-V	<b>SHEPHERD &amp; Gender Studies</b>	1	-	5	<b>5</b>
	I-V	<b>AICUF, Fine Arts, Nature Club, NCC &amp; NSS</b>				
		<b>TOTAL</b>		<b>180</b>		<b>150</b>

### Course Pattern

The Under Graduate degree course consists of Five vital components. They are as follows:

Part-I : Languages (Tamil / Hindi / French / Sanskrit)

Part-II : General English

Part-III : Core Course

(Theory, Practical, Core Electives, Allied, Project, Internship and Comprehensive Examinations)

Part-IV : SBE, NMC, Value Education, Soft Skills & EVS

Part-V : SHEPHERD, AICUF, Finearts, Nature Club, NCC, NSS, etc.

### Non-Major Courses (NMC)

There are three NMC's – Communicative English, Computer Literacy and Environmental Studies offered in the I, II & III Semesters respectively.

### Value Education Courses:

There are four courses offered in the first four semesters for the First & Second UG students.

### Non Major Elective / Skill Based Elective:

These courses are offered in two perspectives as electives "With-in School" (WS) and "Between School" (BS).

### Subject Code Fixation

The following code system (11 characters) is adopted for Under Graduate courses:

14	UXX	X	X	XX	XX
↓	↓	↓	↓	↓	↓
Year of Revision	UG Code of the Dept	Semester of the Part	Specification	Subject Category	Running in that part
14	UEC	1	3	2	1

### For Example :

I B.A. Economics, first semester Micro Economics - I

The code of the paper is 14UEC 130201.

Thus, the subject code is fixed for other subjects.

### Subject Category

- 00 - Languages (Tamil / Hindi / French / Sanskrit)
- 01 - General English
- 02 - Core (Theory, Practicals, Comprehensive Exams, Internship & Project viva-voce)
- 03 - Core Electives
- 04 - Allied
- 05 - Additional core Courses for Extra Credits (If any)
- 06 - Skill Based Electives (BS) & (WS)
- 07 - Soft Skill
- 08 - NMC (Communicate English, Computer Literacy/SAP)
- 09 - EVS
- 10 - Value Education
- 11 - SHEPHERD & Gender Studies
- 12 - AICUF / Nature Club / Fine Arts / NCC / NSS / etc.

## EXAMINATION

### Continuous Internal Assessment (CIA):

UG - Distribution of CIA Marks	
Passing Minimum: 40 Marks	
Library Referencing	5
3 Components	35
Mid-Semester Test	30
End-Semester Test	30
<b>CIA</b>	<b>100</b>

### MID-SEM & END – SEM TEST

Centralised – Conducted by the office of COE

1. Mid-Sem Test & End-Sem Test: (2 Hours each); will have Objective + Descriptive elements; with the existing question pattern PART-A; PART-B; and PART-C
2. CIA Component III for UG & PG will be of 15 marks and compulsorily objective multiple choice question type.
3. The CIA Component III must be conducted by the department / faculty concerned at a suitable computer centres.
4. The 10 marks of PART-A of Mid-Sem and End-Sem Tests will comprise only: OBJECTIVE MULTIPLE CHOICE QUESTIONS; TRUE / FALSE; and FILL-IN BLANKS.
5. The number of hours for the 5 marks allotted for Library Referencing/ work would be 30 hours per semester. The marks scored out of 5 will be given to all the courses (Courses) of the Semester.
6. English Composition once a fortnight will form one of the components for UG general English

### SEMESTER EXAMINATION

Testing with Objective and Descriptive questions

#### Part-A: 30 Marks

#### Objective MCQs only

Answers are to be marked on OMR score-sheet. The OMR score-sheets will be supplied along with the Main Answer Book. 40 minutes after the start of the examination the OMR score-sheets will be collected

**Part-B + C = 70 Marks**

**Descriptive**

**Part-B:** 5 x 5 = 25 marks; inbuilt choice;

**Part-C:** 3 x 15 = 45 marks; 3 out of 5 questions, open choice.

*The Accounts Paper of Commerce will have*

**Part-A:** Objective = 25

**Part-B:** 25 x 3 = 75 marks.

**Duration of Examination must be rational;** proportional to teaching hours  
90 minute-examination / 50 Marks for courses of 2/3 hours/week (all Part IV UG Courses) 3-hours examination for courses of 4-6 hours/week.

**EVALUATION**

**Percentage Marks, Grades & Grade Points**  
**UG (Passing minimum 40 Marks)**

Qualitative Assessment	Grade Points	Grade	Mark Range (%)
Exemplary	10	S	90 & above
Outstanding	9	A+	85-89.99
Excellent	8	A	80-84.99
Very Good	7	B	70-79.99
Good	6	C	60-69.99
Satisfactory	5	D	50-59.99
RA	4	E	40-49.99
	0	RA	<40

**CGPA - Calculation**

Grade Point Average for a semester is calculated as indicated here under:

$$\frac{\text{Sum total of weighted Grade Points}}{\text{Sum of Credits}}$$

Weighted Grade Points is **Grade point x Course Credits**. The final CGPA will only include: Core, Core Electives & IDCs.

A Pass in SHEPHERD will continue to be mandatory although the marks will not count for the calculation of the CGPA.

**Continuous Internal Assessment (CIA):**

Class	Mark Range (%)
Distinction	75 & above, first attempt
First	60 & above
Second	50 to 59.99
Third	40 to 49.99

**Declaration of Result:**

Mr./Ms. \_\_\_\_\_ has successfully completed the Under Graduate in \_\_\_\_\_ programme. The candidate's Cumulative Grade Point Average (CGPA) in Part – III is \_\_\_\_\_ and the class secured is \_\_\_\_\_ by completing the minimum of 150 credits.

The candidate has acquired \_\_\_\_\_ (if any) more credits from SHEPHERD / AICUF/ FINE ARTS / SPORTS & GAMES / NCC / NSS / NATURE CLUB, ETC. The candidate has also acquired \_\_\_\_\_ (if any) extra credits offered by the parent department courses.

\_\_\_\_\_

**B. A. Economics**  
**Course Pattern - 2014 Set**

Sem	Part	Code	Course	Hrs	Crs	
I	I	Language	14UGT110001	Language-I:(Tamil /Hindi /French/Sanskrit)	4	3
	II	English	14UGE120101	General English – 1	5	3
	III	Core	14UEC130201	Micro Economics-I	7	6
			14UEC130202	Indian Economic Development – I	6	5
	Allied	14UEC130401	Mathematical Methods In Economics-I	6	5	
	IV	NMC	14UCE140801	Communicative English	-	5
		V.Edn	14UFC141001	Value Education: Essentials of Ethics, Yoga Stress Management	2	2
<b>Total for Semester I</b>				<b>30</b>	<b>29</b>	
II	I	Language	14UGT210002	Language-II:(Tamil /Hindi /French/Sanskrit)	4	3
	II	English	14UGE220102	General English –2	5	3
	III	Core	14UEC230203	Micro Economics-II	6	5
			14UEC230204	Indian Economic Development –II	5	4
	Allied	14UEC230402	Mathematical Methods in Economics-II	6	4	
	IV	NMC	14UCE240802	Computer Literacy	2	2
		V.Edn	14UFC241002	Techniques of Social Analysis: Fundamentals of Human Rights	2	2
<b>Total for Semester II</b>				<b>30</b>	<b>23</b>	
III	I	Language	14UGT310003	Language-III:(Tamil /Hindi /French/Sanskrit)	4	3
	II	English	14UGE320103	General English – 3	5	3
	III	Core	14UEC330205	Macro Economics-I	6	4
			14UEC330206	Urban Economics	5	4
	Allied	14UEC330403	Statistics For Economics-I	6	4	
	IV	V.Edn	14UFC341003 A	Professional Ethics-1: Social Ethics <b>OR</b>	2	2
			14UFC341003 B	Professional Ethics-1: Religious Doctrine		
NMC	14UCE340901	Environmental studies	2	2		
<b>Total for Semester III</b>				<b>30</b>	<b>22</b>	

IV	I	Language	14UGT410004	Language-IV:(Tamil /Hindi /French/Sanskrit)	4	3
	II	English	14UGE420104	General English – 4	5	3
	III	Core	14UEC430207	Macro Economics-II	7	5
			14UEC430208	Labour Economics	6	5
	Allied	14UEC430404	Statistics For Economics-II	6	5	
IV	V.Edn	14UFC441004 A	Professional Ethics-2 :Social Ethics <b>OR</b>	2	2	
		14UFC441004 B	Professional Ethics-2:Religious Doctrine			
<b>Total for Semester IV</b>				<b>30</b>	<b>23</b>	
V	III	Core	14UEC530209	History of Economic Thought-I	5	3
			14UEC530210	Money And Banking	5	4
			14UEC530211	Research Methods in Economics	4	3
			14UEC530212	Economics of Infrastructure	4	3
	Core Elective	14UEC530301 A	Tamilnadu Economy <b>OR</b>	4	3	
		14UEC530301 B	Tourism Management			
		14UEC530302	Basic Economics <b>OR</b>	4	4	
		14UCO530302	Business Correspondence			
	IV	SBE	14UEC540601	(BS): Security Analysis	2	2
		IDC	14USS540701	Soft Skills	2	2
<b>Total for Semester V</b>				<b>30</b>	<b>24</b>	
VI	Core		14UEC630213	History of Economic Thought-II	7	4
			14UEC630214	Public Finance	6	4
			14UEC630215	International Economics	7	5
			14UEC630216	Internship and Project Work	4	3
	Core Elective		14UEC630217	Comprehensive Examination	-	2
			14UEC630303	Energy Economics <b>OR</b>	4	4
		14UCO630303	Secretarial Practice			
IV	SBE	14UEC640602	(WS): Practical Insurance	2	2	
<b>Total for Semester VI</b>				<b>30</b>	<b>24</b>	
I-V	V		14UCW651101	SHEPHERD and Gender Studies	-	5
<b>Total Credits for all Semesters</b>				<b>180</b>	<b>150</b>	

\* Code numbers according to the subject chosen

@ Practical examination in the following even semester.

gUtk; 1  
14UGT110001

kz p Neuk; 4  
Gssrfs; 3

### ngHJ j j kpo;-I

#### Nehf;fqfs;

1. r%f khwwr; rpej i dfi s c ssl f;fpa j wfhy , yf;fpaqfi s mwKfk; nraj y;
2. GJ fftpi j > r;Wfi j > c i uei l Mfpa , yff;paqfs;pd; eak; ghuhl Lj y;
3. rej iggpi oapdwp vOj khz thfi sg; gapWwtj j y;

#### gad;fs;

1. khz thfs; r%f khwwr; rpej i dfi s mwpe;J nfhst;h;
2. rej iggpi ofi s e;ffp vOJk; j p;wd; ngWth;
3. Gj j yf;fpaqfi sg; gi l fFk; j pwi dAk; j p;wd;h;T nraAk; j pwi dAk; ngWth;

#### myF-1: kf;hft; ghuj p;ahh; ft;pi j fs;

ghuj j; hrd; ft;pi j fs;  
c i uei l - Kj y; %dW fl Li ufs; (10 kz p Neuk)

#### myF-2: gl LfNfhl i l ahh; ghl y;fs;

ghyNuW ngUQrj j p;dh; ghl y;fs;  
, yffz k; -ty;KfK; , l qfs; (12 kz p Neuk)

#### myF-3: GJ fftpi j tbtqfs;

, yff;pa; tuyhW - %dwhk; ghfk;  
r;Wfi j - Kj y; MW r;Wfi j fs; (10 kz p Neuk)

#### myF-4: GJ fftpi j fs;

ngz z p;af; ft;pi j fs;  
, yff;pa; tuyhW - ehd;fhk; ghfk;  
, yffz k; - ty;KfK; , l qfs;(14 kz p Neuk)

#### myF-5: nkhop;ngahgGfftpi j fs;

r;Wfi j - 7 Kj y; 12 Kba c s s r;Wfi j fs;  
c i uei l - 4Kj y; 6 Kba c s s fl Li ufs; (14 kz p Neuk)

#### ghl E)y;

1. ngHJ j j kpo; nraAs; j p;ul - j k;pa;Tj ; Ji w ntsp;al-2014-2017
2. r%ft;ay; Nehf;fy; j kpo; , yff;pa; tuyhW > j k;pa;Tj ; Ji w ntsp;al > J}a t;sdh; fy;Y}hp j p;Urr;uhggss; p2 > 2014
3. c i uei l f; Nfhi t - j k;pa;Tj ; Ji w ntsp;al > 2014
4. r;Wfi j j nj hFgG

Sem. I  
14UGE120101

Hours/Week: 5  
Credits: 3

### GENERAL ENGLISH-I

#### Objectives

To help students

- \* Use words and phrases related to self, home, friends and relatives in meaningful contexts.
- \* Use language to perform basic functions like describing, clarifying, suggesting, and giving directions.

#### Unit-1

01. Personal Details
02. Positive Qualities
03. Listening to Positive Qualities
04. Relating and Grading Qualities
05. My Ambition
06. Abilities and Skills
07. Self-Improvement Word Grid
08. What am I doing?
09. What was I doing?
10. Unscramble the Past Actions
11. What did I do yesterday?

#### Unit-2

12. Body Parts
13. Actions and Body Parts
14. Value of Life
15. Describing Self
16. Home Word Grid
17. Unscramble Building Types
18. Plural Form of Naming Words
19. Irregular Plural Forms
20. Plural Naming Words Practice
21. Whose Words?

#### Unit-3

22. Plural Forms of Action Words
23. Present Positive Actions
24. Present Negative Actions
25. Un/Countable Naming Words
26. Recognition of Vowel Sounds
27. Indefinite Articles

28. Un/Countable Practice
29. Listen and Match the Visual
30. Letter Spell - Check
31. Drafting Letter

#### **Unit 4**

32. Friendship Word Grid
33. Friends' Details
34. Guess the Favourites
35. Guess Your Friend
36. Friends as Guests
37. Introducing Friends
38. What are We Doing?
39. What is (s)he / are they Doing?
40. Yes / No Question
41. What was s/he doing?
42. Names and Actions
43. True Friendship
44. Know your Friends
45. Giving Advice/Suggestions
46. Discussion on Friendship
47. My Best Friend

#### **Unit 5**

48. Kinship Words
49. The Odd One Out
50. My Family Tree
51. Little Boy's Request
52. Occasions for Message
53. Words denoting Place
54. Words denoting Movement
55. Phrases for Giving Directions
56. Find the Destination
57. Giving Directions Practice
58. SMS Language
59. Converting SMS
60. Writing Short Messages
61. Sending SMS
62. The family debate
63. Family Today

#### **Textbook**

1. Joy, J.L. & Peter, F.M. (2014). *Let's Communicate*, New Delhi, Trinity Press.

**Sem. I**  
**14UEC130201**

**Hours/Week: 7**  
**Credits: 6**

## **MICRO ECONOMICS-I**

### **Objectives**

- \* To acquaint students with the fundamental concepts and principles to understand the economic motives and behaviour patterns of an individual consumer.

### **Unit-I: SCOPE AND METHODOLOGY OF MICROECONOMICS**

#### **(16 Hours)**

Meaning - Difference between Micro & Macro Economics - Definition of Economics – Adam Smith - Marshall - Robbins - Samuelson - Modern Micro Economics: Importance and Limitations - Methodology of Economics - Deductive Method and Inductive Method - Static and Dynamics - Economic Laws.

### **Unit-II: THEORY OF CONSUMER BEHAVIOUR - CARDINAL UTILITY ANALYSIS (20 Hours)**

Concept of Utility - Cardinal Utility - Ordinal Utility - Law of Diminishing Marginal Utility - Law of Equi-Marginal utility - Concepts of Demand and Supply - Law of Demand - Law of Supply. Elasticity of Demand - Price Elasticity of Demand - Income Elasticity of Demand - Cross Elasticity of Demand - Measurement of Elasticity of Demand - Factors influencing Elasticity of Demand - Concept of Demand Forecasting - Consumer's Surplus – Applications of consumer's Surplus.

### **Unit-III: THEORY OF CONSUMER BEHAVIOUR - ORDINAL UTILITY ANALYSIS (18 Hours)**

Indifference Curve Technique - Features of Indifference Curve - Consumer's Equilibrium - Price Effect - Income Effect - Substitution Effect - Samuelson's Revealed Preference Theory.

### **Unit-IV: THEORY OF PRODUCTION (18 Hours)**

Factors of Production - Features - Production Function – Cobb- Douglas Production Function - Law of Diminishing Returns - Law of Increasing Returns - Law of Constant Returns - Law of Variable Proportions - Returns to Scale - Equal Product Curves - The Principle of DMRTS - Producer's Equilibrium: Internal and External Economies and Diseconomies of scale of production.

**Unit -V: COST AND REVENUE CURVES (18Hours)**

Concepts of Cost -Fixed Cost -Variable Cost -Total Cost - Average Cost - Marginal Cost - Average Cost Curves - Nature of Short Run and Long Run Average Cost Curves - Derivation of LAC Curve - Revenue Concepts - Total Revenue - Average Revenue - Marginal Revenue - Relationship between Average Revenue & Marginal Revenue - Break-even Analysis.

**Case study:**

Consumer's preference about various goods and the estimation of consumer surplus if any.

**TEXT BOOKS**

1. S. Sankaran, *Economic Analysis*, Margham Publications, Chennai 1991.
2. Salvatore - *Micro Economics*, 4/e, OUP, New Delhi, 2002.
3. Dewett K.K - *Micro Economics*, S.Chand, New Delhi, 2009.

**BOOKS FOR REFERENCE**

1. Ahuja H.L. (1996) - *Principles of Micro Economics, A New look at Economic Theory*, S.Chand, New Delhi.
2. Jhingan M.L, (2008) *Micro Economic Theory*, Konark, New Delhi.

**Sem. I** **Hours/Week: 6**  
**14UEC130202** **Credits: 5**

**INDIAN ECONOMIC DEVELOPMENT-I**

**Objective**

\* *To give a basic knowledge about the Indian Economy.*

**UNIT I: CHARACTERISTIC FEATURES OF INDIAN ECONOMY (18 Hours)**

British Rule - Impacts on the Indian Economy - Characteristic Features of Indian Economy – Socialistic Pattern of Society – Meaning of Development and Growth – Millennium Development Goals.

**UNIT II: NATURE AND SIGNIFICANCE OF AGRICULTURE (18 Hours)**

Nature and Importance of Agriculture – Green Revolution - Agricultural Production and Productivity - Factors Influencing Agricultural Development - Agricultural Marketing - Sources of Agricultural Finance - Agricultural Labour in India - New Developments: Contract Farming -Organic Farming - Precision Farming – Genetically Modified Seeds - Corporate Farming.

**UNIT III: INDUSTRIES IN INDIA (18 Hours)**

Pattern of Industrialization - Industrial Policy: 1948, 1956 and 1991 - Role of Industry in Economic Development – Major Industries: Cotton Textile Industry - Iron and Steel Industry and Cement Industry - Role and Problems of Medium, Small Scale and Cottage Industries.

**UNIT IV: UNEMPLOYMENT AND POVERTY IN INDIA (18 Hours)**

Meaning and Causes of Unemployment and Poverty in India - Measures taken by the Government to solve Unemployment and Poverty – Food Security – Food Inflation - PDS – ICDS - Nutritious Security - Nutritious Noon Meals Scheme - PURA (Vision 2020) – MGNREGP (Mahatma Gandhi National Rural Employment Guarantee Programme).

**UNIT V: PLANNING IN INDIA (18 Hours)**

Economic planning - Meaning and significance of planning - Planning Strategies of India - Broad objectives, Achievements and Failures of Planning - Current Five Year Plan: objectives, allocation and targets – Achievements and failures.

**TEXT BOOK**

1. Ruddar Datt and Sundharam K.P.M., *Indian Economy*, Sultan Chand, New Delhi, 2009

**BOOKS FOR REFERENCE**

1. Ishwar.C.Dhingra -*The Indian Economy*, Twenty first edition, Sultan Chand, New Delhi, 2009.
2. Mishra & Puri - *Economics of Development and Planning*, Himalaya, Mumbai, 7<sup>th</sup> edition, 2005.
3. Meier, G.M. *Leading Issues in Economic Development*, OUP, New Delhi, 6<sup>th</sup> edition, 1995.
4. Todaro, M.P. *Economic Development*, Wesley Longman, New Delhi, 7<sup>th</sup> edition, 2000.

**Sem. I** **Hours/Week: 6**  
**14UEC130401** **Credits: 5**

**Allied:**

**MATHEMATICAL METHODS IN ECONOMICS-I**

**Objective**

\* *To understand the meaning and importance of mathematical tools to acquire the knowledge of solving simple problems and to apply mathematical tools in Economics.*



**UNIT I: SET THEORY (18 Hours)**

Notations of Set - Types of set - Venn diagram - Laws of Set - Operations in Set - Application in Economics.

**UNIT II: STRAIGHT LINE (18 Hours)**

Slope – Intercept - Equations of Straight Line - Parallel Lines - Perpendicular lines - point of intersection of two lines - Application of straight lines in Economics: supply line, demand line, determination of equilibrium price and quantity.

**UNIT III: DIFFERENTIATION (18 Hours)**

Differentiation in polynomials  $x^n$ ,  $(ax + b)^2$ ;  $\log x$ ,  $e^x$ , differential coefficient of sum, difference, product, quotient and power - Successive differentiation - Partial derivative - Given  $U = f(x,y)$  and  $U = f(x,y,z)$  - Higher order partial derivatives.

**UNIT IV: APPLICATION OF DIFFERENTIATION IN ECONOMICS**

**(18 Hours)**

Marginal utility, marginal revenue and marginal cost - Maxima and Minima (Revenue and cost functions).

**UNIT V: INTEGRAL CALCULUS (18 Hours)**

Rules of Integration - Definite integral – Application in Economics – Consumer’s surplus and Producer’s surplus.

**TEXT BOOK**

1. Agarwal C.S and. Joshi R.C, *Mathematics for Economists*, The New Academic Publishing Jalandhar, 1983.

**BOOKS FOR REFERENCE**

1. Arul Jeganatharaj D, Gnanasekaran G and Stanly P, *Mathematics for Beginners*, Tiruchirappalli, 1989.
2. R. Veerachamy, *Quantitative Methods for Economists*, New Age International, New Delhi, 2008.
3. D.R. Agarwal, *Mathematics for Economists*, Vrinda Publicatons (P) Ltd., New Delhi, 2006.
4. D. Bose, *An Introduction to Mathematical Economics*, Himalaya Publishing House, 2010.

**gUtk; 2  
14UGT210002**

**kz p Neuk; 4  
GSS/FS; 3**

**ngHJ j j kpo;II**

**Nehf;fqfs; :**

1. rka eyyr z f;f c z hi t tshj j y;
2. j kpo; fhgg;aq;fs;py; moFk; mw;Tz h;Tk; C l Lk; gFj pfi sg; gbj ;Jg; Gh;e;J nfh;S; j y;
3. c i uei l f; fl Li u vOJ k; j p;wd; ngWj y;

**gad;fs; :**

1. j kpi oj ; j pUj j khfg; gb;f;fTk; NgrTk; gpi oap;dw; vOj Tk; Nj hrr; ngWj y;
2. , yf;f;pa;aq;fs;py; gbj j twi w Ki wahf thofi fap;f; fi l gg;bj j y;

**myF: 1 (12 kz p Neuk)**

rpyggj pfhuk; - kJ i uf; fhz l k; (fhL fhz ; fhi j )  
, yf;f;pa tuyhW - i rtk; tsuj j j kpo; Kj y; Guhz q;fs;Kba.

**myF : 2 (12 kz p Neuk)**

kz pNkfi y - ghj j p;uk; ngww fhi j  
ng;pa;Guhz k; - nkag;ng;H;sehad;hh; Guhz k;

**myF : 3 (12 kz p Neuk)**

fkguhkhaz k; - fhL r;gg; l yk;  
c i uei l - 7 Kj y; 9 Kba c s s fl Li ufs;  
, yf;fz k; - vOj j yf;fz k;

**myF : 4 (12 kz p Neuk)**

Fz q;Fb k] j hd; rh;f;g; gh l y;fs;  
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2. r%f;tp;ay; Nehf;f;py; j kpo; , yf;f;pa tuyhW; j kpo;ah;Tj ;Ji w ntspal; J}ats;dh;h; fy;Y}hp; j p;Urr;puh;gg;ss; 2014.
3. c i uei l fNfhi t; j kpo;ah;Tj ;Ji w ntspal; 2010.

SEM-II  
14UGE220102

Hours/week: 5  
Credits: 3

## GENERAL ENGLISH-II

### Objectives

To help students

- \* Use words and phrases related to education, entertainment, career, and society in meaningful contexts.
- \* Use language to perform basic functions like comparing, debating, and storytelling.

### Unit 1

01. Education Word Grid.
02. Reading Problems and Solutions.
03. Syllabification.
04. Forms for Expressing Quality.
05. Expressing Comparison.
06. Monosyllabic Comparison.
07. Di/polysyllabic Comparison.
08. The best monosyllabic Comparison
09. The best di/polysyllabic Comparison.
10. Practising Quality Words.

### Unit 2

11. *Wh* Words
12. Yes/No Recollection
13. Unscramble *Wh* Questions
14. *Wh* Practice
15. Education and the Poor
16. Controlled Role play
17. Debate on Education
18. Education in the Future
19. Entertainment Word Grid
20. Classify Entertainment Wordlist
21. Guess the Missing Letter
22. Proverb-Visual Description
23. Supply *Wh* Words
24. Rearrange Questions
25. Information Gap Questions

### Unit 3

26. Asking Questions
27. More about Actions
28. More about Actions and Uses

29. Crime Puzzle
30. Possessive Quiz
31. Humorous News Report
32. Debate on Media and Politics
33. Best Entertainment Source

### Unit 4

34. Career Word Grid
35. Job-Related Wordlist
36. Who's Who?
37. People at Work
38. Humour at Workplace
39. Profession in Context
40. Functions and Expressions
41. Transition Fill-in
42. Transition Sord Selection
43. Professional Qualities
44. Job Procedures
45. Preparing a Resume
46. Interview Questions
47. Job Cover Letter Format
49. E-mailing an Application
50. Mock Interview

### Unit 5

51. Society Word Grid
52. Classify Society Wordlist
53. Rearrange the Story
54. Storytelling
55. Story Cluster
56. Words Denoting Time
57. Expressing Time
58. What Can You Buy?
59. Noise Pollution
60. Positive News Headlines
61. Negative News Headlines
62. Matching Conditions
63. What Would You Do?
64. If I were the Prime Minister
65. My Dream Country

### Textbook

1. Joy, J.L. & Peter, F.M. (2014). *Let's Communicate*, New Delhi: Trinity Prss.

SEM-II  
14UEC230203

Hours/week: 6  
Credits: 5

## MICRO ECONOMICS-II

Objective

\* *To impart an understanding about the behaviour of the producer in different types of markets and to study the pattern of resource allocation for the well being of the society.*

### UNIT – I: THEORY OF PRODUCT PRICING (18 Hours)

Market structure - Meaning – Types - Perfect competition - Price and Output determination - Equilibrium of the firm and industry in the short-run and long-run - Role of time element.

### UNIT-II: MONOPOLY (18 Hours)

Simple Monopoly - Discriminating Monopoly - Price and Output determination under simple Monopoly - Concept of Bilateral Monopoly - Monopsony - Duopoly.

### UNIT-III: MONOPOLISTIC COMPETITION AND OLIGOPOLY (18 Hours)

Features of Monopolistic Competition - Equilibrium of Firm and Industry under short-run and long-run (Group Equilibrium) - Selling cost - Oligopoly: Features - Price determination - Kinked demand curve model and Price leadership model.

### UNIT – IV: THEORY OF FACTOR PRICING (20 Hours)

Marginal productivity theory of distribution - Rent - Ricardian theory of rent - Modern theory of rent - Wages - Real and Nominal Wage - Demand and supply theory - Causes for wage difference - Trade Unions and Wages - Interest – Classical – Neoclassical - Keynes and Modern theory of Interest - Profit - Gross and Net Profit - Theories of Profit - Risk and uncertainty theory - Innovation theory.

### UNIT -V: WELFARE ECONOMICS (16 Hours)

Meaning of Social Welfare - Different concepts of Social Welfare - Pareto criteria - Amartya Sen's views on Welfare Economics.

**Case study:** Undertaking surveys to know the advertisement strategies of a few leading firms in the city.

### TEXTBOOK

1. Ahuja H.L., (2009) *Principles of Micro Economics*, S.Chand, New Delhi.
2. S.Sankaran - Economic Analysis, Margham Publication, Madras, 1991.

## BOOKS FOR REFERENCE

1. Stonier and Hague, *A Text Book of Economic Theory*, (1958) Long Mans Green & Co, London.
2. Seth M.L., (1991) *Principles of Economics*, Lakshmi Narain Agarwal, Agra.
3. Price, M.C, (1977) *Welfare Economics*, Macmillan, London.
4. Samuelson Paul. A, (1984) *Price Theory*, McGraw-Hill School Education Group.

SEM-II  
14UEC230204

Hours/week: 5  
Credits: 5

## INDIAN ECONOMIC DEVELOPMENT-II

Objective

\* *To give a basic knowledge about the natural and human resources and modern outlook of the Indian Economy.*

### UNIT I: NATURAL RESOURCES (15 Hours)

Natural Resources: Land - Water - Forest – Minerals – Fisheries – Policies of Indian government.

### UNIT II: HUMAN RESOURCES (15 Hours)

Demographic Features: Size and growth, rate of population - Sex Composition - Age Composition – Demographic Dividend - Density – Urbanization – Migration – Population Policy - Human Development Index.

### UNIT III: PHYSICAL INFRASTRUCTURE (15 Hours)

Infrastructure and economic development - Transport: Railways, Roads, Shipping and Airways – Energy - Power.

### UNIT IV: SERVICES INFRASTRUCTURE (15 Hours)

Role of Service Sector in Economic Development – Banking – Insurance – Telecommunications – IT Industry – ITES.

### UNIT V: ECONOMIC REFORMS (15 Hours)

Public Sector: Role and Importance - Private Sector - Corporate Sector - Economic Reforms and New Economic Policy, 1991 - Liberalization, Privatization and Globalization - MNCs – Emergency of Indian MNCs – Information Technology - Second Generation Reforms - Social Sector Development Education and Health – Health Tourism.

**TEXTBOOK**

1. Rudder Datt and K.P.M. Sundharam, *Indian Economy*, Sultan Chand, New Delhi, 2009.

**BOOKS FOR REFERENCE**

1. Ishwar.C.Dhingra, *The Indian Economy*, Twenty first edition, Sultan Chand, New Delhi, 2009.
2. Mishra & Puri, *Economics of Development and Planning*, Himalaya, Mumbai, 7<sup>th</sup> edition, 2005.
3. Meier, G.M, *Leading Issues in Economic Development*, O U P, New Delhi, 6<sup>th</sup> edition, 1995.
4. Todaro, M.P, *Economic Development*, Wesley Longman, New Delhi 7<sup>th</sup> edition, 2000.

SEM-II  
14UEC230402

Hours/week: 6  
Credits: 4

**Allied:****MATHEMATICAL METHODS IN ECONOMICS-II****Objective**

\* *To understand the meaning and importance of mathematical tools to acquire the knowledge of solving simple problems and to apply mathematical tools in Economics.*

**UNIT I: PROGRESSION, RELATIONS AND FUNCTIONS**

Ratio - Proportion – Progression - Arithmetic progression - Geometric progression, Functions - types of functions - Applications in Economics.  
(18 Hours)

**UNIT II: MATRIX - I**

Matrix - Meaning and types of matrices - Operation of matrix – Addition – subtraction, multiplication, division - Determinant – Properties of determinant.  
(18 Hours)

**UNIT III: MATRIX-II**

Rank of matrix, trace of matrix, inverse, properties of inverse - solution to linear equations - Cramer's rule - Inverse method. (18 Hours)

**UNIT IV: LINEAR PROGRAMMING**

Meaning - Basic concepts - Graphical solution to linear programming problem (only two variables) – Simplex Method – Dual Method. (18 Hours)

**UNIT V: INTRODUCTION TO ECONOMETRICS**

Definition - Econometrics and Mathematics - Econometrics and Statistics - Meaning of Linear Regression Model - Concepts of Auto Correlation, Heteroscedasticity and Multicollinearity. (18 Hours)

**TEXTBOOK**

1. Agarwal C.S. and Joshi. R.C, *Mathematics for Economists*, The New Academic, Jalandhar, 1983.

**BOOKS FOR REFERENCE**

1. Singh Parasher Singh, *An Introduction to Econometrics*, Sterling, New Delhi, 1998.
2. Domodar N Gujarati, *Basic Econometrics*, Tata McGraw Hill Education, New Delhi, 2007.
3. R.Veeracham, *Quantitative Methods for Economists*, New Age International, New Delhi, 2008.
4. D.Bose, *An Introduction to Mathematical Economics*, Himalaya Publishing House, Mumbai.

gUtk; 3  
14UGT310003

kz p Neuk; 4  
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**ngHJ j kpo;III**

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- nrknkhøj ; j kpo; nraAsfshd gj pndz Nky; fz fF> gj pndz ; fb; fz fFg; ghl y;fi sg; gbj ;Jg; nghUs; GhpeJ nfhS k; j pwd; ngWj y;
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- ftpi j fs;py; mz pfs; mi keJss ghqi fg; Ghj y;
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SEM-III  
14UGE320103

Hours/week: 5  
Credits: 3

**GENERAL ENGLISH-III**

**Objectives:**

- \* To enable the students to comprehend the local and global issues through the lessons.
- \* To enable the students to do the tasks centering on Skill Development and Grammar.
- \* To empower the students with interactive skills.

Tasks Designed for Each Unit	Skills Focused to be Developed for Each Unit	Hours Allotted
1. Pre-reading Task	Listening and Reading Skills through teacher-led reading practice	2 Hours
2. Objectives	Listening and Reading Skills	
3. Text	Listening and Reading Skills through teacher-led reading practice	
4. Glossary (Using Words and Phrases in Sentences)	Referring and Language Using Skills	2 Hours
5. Reading Comprehension	Reading, Speaking, and Writing Skills	1 Hour
6. Critical Analysis	Critical Thinking and Speaking Skills	2 Hours
7. Creative Task	Creative Thinking and Speaking Skills	2 Hours
8. General Writing Skills	Writing Skill	1 Hour
9. Activities on Grammar	Grammar Using and Writing Skills	2 Hours

**UNIT I**

\* Suggestions to Develop Your Reading Habit 12 Hrs  
Grammar: Simple Present Tense

**UNIT II**

\* The Secret of Success: An Anecdote 12 Hrs  
Grammar: Present Continuous Tense

**UNIT III**

\* Hygiene 12 Hrs  
Grammar: Simple Past Tense

**UNIT IV**

\* Dr. A.P.J. Abdul Kalam: A Short Biography 12 Hrs  
Grammar: Past Continuous Tense

**UNIT V:**

\* "Golden Rule": A Poem 12 Hrs  
Grammar: Simple Future Tense & Future Continuous Tense

**Textbook:**

- Jayraj, S. Joseph Arul *et al.* (2014). *Trend-Setter: An Interactive General English Textbook for Under Graduate Students*, New Delhi, Trinity.

SEM-III  
14UEC330205

Hours/week: 6  
Credits: 4

## MACRO ECONOMICS-I

### Objective

\* To make the students understand the functional relationship between macro aggregates like National Income, Employment, Consumption and Investment.

### UNIT - I: INTRODUCTION TO MACRO ECONOMICS AND NATIONAL INCOME

Definition - Nature and Scope of Macro Economics - Significance and Limitations - Difference between Micro Economics and Macro Economics - Stock and flow variables - National Income: Definition - Methods of Measurement of National Income - Difficulties in the Measurement of National income – Uses of National Income estimates. (15 Hours)

### UNIT - II: THEORIES OF EMPLOYMENT

Concept of employment - Say's Law of Market - Classical theory of Employment - Keynesian theory of employment: Determination of effective demand - Comparison and contrast between Classical and Keynesian contribution. (15 Hours)

### UNIT - III: CONSUMPTION FUNCTION

Average and Marginal propensity to consume - Keynes Psychological Law of Consumption - Determinants of Consumption Function - Absolute Income Hypothesis – Duesenberry's Relative Income Hypothesis - Friedman's Permanent Income Hypothesis – Franco Modigliani's Life Cycle Income Hypothesis. (15 Hours)

### UNIT - IV: INVESTMENT FUNCTION

Concept of Investment - Autonomous and Induced Investment - Factors determining Investment: Rate of interest - MEC - rate of discount - Prospective yield, supply price - Post-Keynesian theory of investment demand – IS-LM Function. (15 Hours)

### UNIT - V MULTIPLIER AND ACCELERATOR

Multiplier - Its working and leakages - Importance and criticisms - Acceleration Principle - Samuelson's and Hicks theories of Accelerator - Super-multiplier. (15 Hours)

## TEXTBOOK

1. Jhingan M. L., *Macro Economic Theory*, Konark, New Delhi, 1992.
2. Maria John Kennedy, *Macro Economic Theory*, PHI Learning Pvt. Limited, New Delhi, 2011.

## BOOKS FOR REFERENCE

1. Seth, M.L, *Macro Economics*, Agarwal, Agra, 1978.
2. Edward Shapiro, *Macro Economic Analysis*, Galgotia, New Delhi, 1977.
3. Gupta. R.D, *Keynesian and Post Keynesian Economy*, Milestone, New Delhi, 1983.

SEM-III  
14UEC330206

Hours/week: 5  
Credits: 4

## URBAN ECONOMICS

### Objective

\* To understand the causes and consequences of urban growth and economic issues in the provision of urban amenities.

### UNIT – I: URBAN SYSTEMS

Structure of Human settlement - Spatial economic organization - Urban system - Functional dependencies between human settlements of different sizes. (15 Hours)

### UNIT – II: ECONOMICS OF LOCATION

Economics of city size - Agglomeration economics - Migration - Economics of location - City size distribution – Satellite Town. (15 Hours)

### UNIT – III: URBAN INFRASTRUCTURE

Urban infrastructure - Land use pattern – Land Market - Urban housing - Slum renewal and upgradation - Urban crimes. (15 Hours)

### UNIT – IV: URBAN PLANNING

Urban environmental planning – Transport - MRTS - Metro Industrial Complex - Energy use – Urban water supply. (15 Hours)

### UNIT – V: URBAN FINANCE

Financing Urban Infrastructure - Different Methods - Federal Finance -- Local Public Finance - Municipal Administration - Urban Planning and Policy - Private Sector Participation - PPP. (15 Hours)

**Case study:** Evaluate the Trichy Corporation, urban water, demand and supply.

### TEXT BOOK

1. Arthur.O'Sullivan, *Urban Economics*, McGrawHill Education group, UK, 7th edition, 2008.

### BOOKS FOR REFERENCE

1. Diamon, Tolley, *The Economics of Urban Amenities*, Academic Press, New York, 1982.
2. Richardson, *Urban Economics*, Penguin, Harmondsworth, 1971.
3. Sivarmakrishnan, *The Economic Development & Green Metropolitan Management*, Institute of the World Bank, OUP, 1986.

SEM-III  
14UEC330403

Hours/week: 6  
Credits: 4

Allied:  
**STATISTICS FOR ECONOMICS-I**

### Objective

- \* The subject introduces various statistical tools to foster a research attitude in the students of Economics.

### UNIT - I: IMPORTANCE OF STATISTICS

Meaning, Functions and Limitations of Statistics-Statistics and Economics - Primary and Secondary data - Methods of collecting Primary Data - Drafting the Questionnaire – Pilot Survey - Pre-testing the Questionnaire - Sources of Secondary data - Precautions in the use of Secondary Data. (15 Hours)

### UNIT- II: SAMPLING AND SAMPLING DESIGN

Census and Sample Method – Merits and Demerits of Census and Sampling - Principles of Sampling - Essentials of Sampling - Methods of Selecting Sample - -Sampling and Non- Sampling Errors - Central Limit Theorem.

(15 Hours)

### UNIT -III: CLASSIFICATION, TABULATION AND DIAGRAMS

Meaning and objectives of classification - Types of classification -- Parts of Table - General rules of Tabulation - Types of Tables - -Diagrammatic and Graphic representation - Types of Diagrams - Graphs of Frequency distribution - Histograms - Frequency Polygon - Ogives. (15 Hours)

### UNIT - IV: MEASURES OF CENTRAL TENDENCY

Objectives of Averaging - Requisites of a Good Average - Arithmetic Mean - Weighted Mean - Median – Mode - Quartiles - Deciles - Percentiles -- Limitations of Averages. (15 Hours)

### UNIT- V: MEASURES OF VARIATION

Meaning - Significance - Range - Quartile Deviation - Mean Deviation - Standard Deviation -Coefficient of Variation – Variance - Absolute Measures of Variation – Relative measures of variation - Lorenz Curve. (15 Hours)

### TEXT BOOK

1. Gupta S.P *Statistical Methods*. New Delhi: Sultan Chand, 2001.

### BOOKS FOR REFERENCE

1. Gupta S.P. *Elementary Statistical Methods*. New Delhi: Vikas, New Delhi, 2009.
2. Pillai, R.S.N.& Bagavathi. V, *Statistics Theory and Practice*, S.Chand, New Delhi, 2000.
3. Croxton, F.E., Cowden, D.J. and Klein.S, *Applied General Statistics*, Prentice-Hall, New York, 1939.

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14UGT410004

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GSSrfs; 3

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- ehl fqfi sr; r%fg; gadghl bwF Vwg c UthfFj y;

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myF : 3 (12 kz p Neuk)  
kNdhd;kz bk> mq;fk; - 3> fsk; 1 - 4 ti u.

myF : 4 (12 kz p Neuk)  
kNdhd;kz bk> mq;fk; - 4> fsk; 1 - 5 ti u.

myF : 5 (12 kz p Neuk)  
kNdhd;kz bk> mq;fk; - 5> fsk; 1 - 3 ti u.  
c i uei l ehl fk; (3> 4Mk; ehl fqfs)

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SEM-IV  
14UGE420104

Hours/week: 5  
Credits: 3

GENERAL ENGLISH-IV

Objectives:

- \* To enable the students to comprehend the local and global issues through the lessons.
- \* To enable the students to do the tasks centering on Skill Development and Grammar.
- \* To empower the students with interactive skills.

Tasks Designed for Each Unit	Skills Focused to be Developed for Each Unit	Hours Allotted
1. Pre-reading Task	Listening and Reading Skills through teacher-led reading practice	2 Hours
2. Objectives	Listening and Reading Skills	
3. Text	Listening and Reading Skills through teacher-led reading practice	
4. Glossary (Using Words and Phrases in Sentences)	Referring and Language Using Skills	2 Hours
5. Reading Comprehension	Reading, Speaking, and Writing Skills	1 Hour
6. Critical Analysis	Critical Thinking and Speaking Skills	2 Hours
7. Creative Task	Creative Thinking and Speaking Skills	2 Hours
8. General Writing Skills	Writing Skill	1 Hour
9. Activities on Grammar	Grammar Using and Writing Skills	2 Hours

UNIT-I: Women through the Eyes of Media 12 Hrs  
Grammar: Present Perfect Tense

UNIT-II: Effects of Tobacco Smoking 12 Hrs  
Grammar: Present Perfect Continuous Tense

UNIT-III: The Impact of Liquor Consumption on the Society 12 Hrs  
Grammar: Past Perfect Tense

UNIT-IV: An Engineer Kills Self as Crow Sat on his Head:  
A News Paper Report 12 Hrs  
Grammar: Past Perfect Continuous Tense

UNIT-V: Traffic Rules 12 Hrs  
Grammar: Future Perfect Tense & Future Perfect Continuous Tense

Text Book:

Jayraj, S. Joseph Arul. et al. (2014). *Trend-Setter: An Interactive General English Textbook for Under Graduate Students*, New Delhi, Trinity.



SEM-IV  
14UEC430207

Hours/week: 7  
Credits: 5

## MACRO ECONOMICS-II

### Objective

- \* To understand and to examine how the macro economic concepts are used in policy framework.

### UNIT - I: MACRO ECONOMIC GOALS

Macro Economic Policy – Macro economic goals - Economic Planning - Need for Planning - Planning Models and Planning in a Mixed Economy.  
(15 Hours)

### UNIT - II: JOAN ROBINSON'S MODEL OF CAPITAL ACCUMULATION

Robinson Model - A critical appraisal - Its applicability to developing countries - Golden Rule of Accumulation.  
(15 Hours)

### UNIT - III: DEVELOPMENT STRATEGY

Underdevelopment and Development - Development Strategy of an economy - Nurkse's theory of Disguised Unemployment as a Saving Potential - Lewis Theory of Unlimited Supplies of Labour.  
(15 Hours)

### UNIT - IV: DOCTRINE OF BALANCED GROWTH

Strategies of Balanced and Unbalanced Growth: Growth Models- - Harrod and Domar Models - Mahalanobis heavy industry Model- - Strategy for development – Two-Sector Model - Wage Goods Model of Development.  
(15 Hours)

### UNIT - V: FOREIGN CAPITAL AND AID IN ECONOMIC DEVELOPMENT

Types of foreign capital – Multinational Corporation and technology transfer - Factors determining Foreign Aid for Economic Development - Two Gap Model and Cost Benefits of foreign Aid – Foreign Direct Investment – Foreign Portfolio Investment.  
(15 Hours)

### TEXT BOOK

1. Jhingan M. L, *Macro Economic Theory*, Konark, New Delhi, 1992.
2. Maria John Kennedy, *Macro Economic Theory*, PHI Learning Pvt. Limited, New Delhi, 2011.

### BOOKS FOR REFERENCE

1. Seth, M.L, *Macro Economics*, Agarwal Publications, Agra, 1978.
2. Edward Shapiro, *Macro Economic Analysis*, Galgotia, New Delhi, 1977.

3. Ackley, G., *Macro Economic Theory and Policy*, Macmillan- New York 1973.
4. Keynes J M., *The General Theory of Employment, Interest and Money*, Macmillan, London, 1936.
5. Datt and Sundaram, *Indian Economy*, Sultan, 2010.

SEM-IV  
14UEC430208

Hours/week: 6  
Credits: 5

## LABOUR ECONOMICS

### Objective

- \* This paper exposes the students to theoretical as well as empirical issues concerning labour.

### UNIT-I: LABOUR AND LABOUR ECONOMICS

Meaning and concept of labour - Definition, nature, scope and importance of Labour Economics – Labour Market Segmentation - Labour Market Policies - Labour in the unorganized sector - Sengupta Report – Mobility of labour - Child Labour – Women Labour.  
(10 hours)

### UNIT-II: WAGE DETERMINATION

Wage concepts - Minimum wage, fair wage and living wage - Classical, Neo classical and Bargaining theories - Productivity and wage relationship – Non-wage component of labour remuneration - Types of wages in India - Need for State Regulation of wages - National Wage Policy and Wage Boards in India.  
(10 hours)

### UNIT-III: TRADE UNIONISM, INDUSTRIAL DISPUTE AND LABOUR LEGISLATION

Meaning and objectives of Trade Union - Trade Union Movement in India- Problems and draw backs - Measures to strengthen the Trade Union Movement -Industrial disputes: meaning - causes and effects of industrial disputes - Prevention of industrial disputes - Machinery of settling the industrial disputes in India – Collective Bargaining - Labour Legislation in India.  
(20 hours)

### UNIT-IV: SOCIAL SECURITY MEASURES OF LABOUR

Meaning and need for Social Security Measures - Social Assistance and Social Insurance - Social Security Legislations in India: Workmen's Compensation Act, 1923, Employees' State Insurance Scheme Act, 1948,

Maternity Benefits Act, 1961 and the Provident Fund Act, 1952 - Labour Welfare Funds - Unemployment Insurance- Social security of the Unorganized sector workers. (10 hours)

#### **UNIT-V: ISSUES OF LABOUR IN INDIA**

Industrial labour: meaning and characteristics of Industrial Labour in India- Agencies of recruitment - through intermediaries, decasualization scheme and Badli Control System, Contract labour, Gorakhpur Labour Organization (G.L.O) - Employment Exchange.

Agricultural Labour: meaning and characteristics - casual labour, attached labour and bonded labour – problems of agricultural labour in India - Government measures to improve the conditions of agricultural labour - Employment in agricultural sector. (10 hours)

#### **TEXT BOOKS**

1. Thyagi B.P, *Labour Economics and Social Welfare*, Jai Prakash Nath &Co., Meerut, 1986.
2. Sharma A.K. - *Labour Economics*, Anmol Publications, New Delhi, 2006.

#### **BOOKS FOR REFERENCE**

1. Hajela, P.D, *Labour Restructuring in India: A Critique of the New Economic Policies* Common wealth Publishers, New Delhi, 1988.
2. Venkata Ratnam, C.S., *Globalization and Labour Management Relations Dynamics of change*, Sage, New Delhi, 2001.
3. Memoria, C.B., *Labour Problems and Social Welfare in India*, Allahabad, Kitab Mahae, 1996.
4. Misra, L., *Child Labour in India*, OUP, New Delhi, 2000.

SEM-IV  
14UEC430404

Hours/week: 6  
Credits: 5

### **Allied: STATISTICS FOR ECONOMICS-II**

#### **Objective**

\* To enable the students to understand and apply the statistical tools in economic analysis.

#### **UNIT-I: CORRELATION ANALYSIS**

Meaning - Significance of the Study of Correlation - Correlation and Causation - Types of Correlation: Positive, Negative, Partial, Multiple, Linear

and Non-Linear - Methods of Studying Correlation: Scatter Diagram Method, Graphic Method, Karl Pearson's Coefficient of Correlation, Spearman's Rank Correlation. (15 Hours)

#### **UNIT-II: REGRESSION ANALYSIS**

Meaning - Difference between Correlation and Regression -- Regression Lines - Regression Equations of X on Y and Y on X Only - Regression Coefficients. (15 Hours)

#### **UNIT-III: PROBABILITY**

Meaning and concepts – Calculation of Probability - Theorems of Probability: Addition Theorem and Multiplication Theorem - Simple Problems. (15 Hours)

#### **UNIT-IV: ANALYSIS OF TIME SERIES**

Utility of Time Series Analysis - Components of Time series - Measurement of Trend: Graphic Method- Semi - Average method - Moving Average Method - Least Square Method. (15 Hours)

#### **UNIT-V: INDEX NUMBERS**

Meaning - Uses – Classification – Types - Cost of Living Index (CPI) - Problems in construction - Paasche, Laspeyres, and Fishers Ideal Index numbers – Adequacy Test. (15 Hours)

#### **TEXT BOOK**

1. Gupta S.P, *Statistical Methods*, Sultan Chand, New Delhi, 2001.

#### **BOOKS FOR REFERENCE**

1. Gupta S.P, *Elementary Statistical Methods*, Vikas Publishing House, New Delhi, 2009.
2. Pillai, R.S.N. & Bagavathi.V, *Statistics Theory and practice*, S.Chand, New Delhi, 2000.
3. Croxton, F.E., Cowden, D.J., and Klein.S, *Applied General Statistics*, Prentice-Hall, New York, 1939.

SEM-V  
14UEC530209

Hours/week: 5  
Credits: 3

### **HISTORY OF ECONOMIC THOUGHT-I**

#### **Objective**

- \* By tracing the history of economic thought, the student will understand how contemporary economics came to be what it is.

#### **UNIT I: EARLY ECONOMIC THOUGHT**

Economic thought of Plato and Aristotle - Medieval Economic Thought of St. Thomas Aquinas – Arthashastra. (18 Hours)

#### **UNIT II: MERCANTILISM AND PHYSIOCRACY**

Mercantilism: main characteristics - Thomas Munn – Physiocracy: natural order, primacy of agriculture, social classes - Tableau Economique - Taxation, Turgot - Economic ideas of Petty, Locke and Hume. (18 Hours)

#### **UNIT III: CLASSICAL ECONOMIC THOUGHT**

Adam Smith – division of labour, theory of value, capital accumulation, distribution, views on trade, economic progress - David Ricardo: value, theory of rent, distribution, ideas of economic development and international trade - Thomas R. Malthus: Theory of population, Theory of gluts; Economic ideas of Say and Mill. (18 Hours)

#### **UNIT IV: DEVELOPMENT OF SOCIALISTIC IDEAS**

St. Simon, Sismondi and Robert Owen - Economic Ideas of Karl Marx: Dynamics of social change, Theory of value, Surplus value, Profit, and crisis of capitalism. (18 Hours)

#### **UNIT V: HISTORICAL SCHOOL**

The Older Historical School – Wilhelm Roscher, Bruno Hildebrand, Karl Knies - The Newer Historical School - Schmoller. (18 Hours)

#### **TEXT BOOK**

1. Loganathan, A., *A History of Economic Thought* - S. Chand, New Delhi, 1987.

#### **BOOKS FOR REFERENCE**

1. Blackhouse, R., *A History of Modern Economic Analysis*, Basil Blackwell, Oxford 1985.

2. Ganguli. B.N., *Indian Economic Thought: A 19th Century Perspective*, Tata McGraw Hill, New Delhi, 1977.
3. Gide C and Rist G, *A History of Economic Doctrines*, George Harrop, London, 1956.
4. Grey A and Thomson A.E, *The Development of Economic Doctrine*, Longman Group, London, 1980.
5. Kautilya, *The Arthashastra* (Edited, Rearranged, Translated and Introduced by L.N. Rangarajan), Penguin Books, New Delhi, 1992.
6. Roll E, *A History of Economic Thought*, Faber, London, 1973.
7. Schumpeter J.A., *A History of Economic Analysis*, OUP, New York, 1954.
8. Seshadri G.B., *Economic Doctrines*, B.R. Publishing Corporation, New Delhi, 1997.

SEM-V  
14UEC530210

Hours/week: 5  
Credits: 4

### **MONEY AND BANKING**

#### **Objective**

- \* To understand operations of Money and Banking in an economy and to provide knowledge both theoretical and practical aspects of banking.

#### **UNIT I: MONEY: THEORY AND APPROACHES**

Money: Meaning, functions and classification - Gresham's Law - Value of Money - Measurement by using Index Numbers - Quantity theory of money - Cash transactions and cash balance approaches - The Keynesian approach. (18 Hours)

#### **UNIT II: INFLATION AND TRADE CYCLE**

Definition, Types, Causes and Effects of Inflation on different sectors of the Economy - Types of Inflation: Demand-pull and Cost push Inflation - Measures to control inflation - Trade-off between inflation and unemployment - Trade cycle: structure, causes, effects, control of trade cycle - Theories of Trade cycle: Hawtrey, Von-Hayek and Hicks. (18 Hours)

#### **UNIT III: COMMERCIAL BANKING**

Meaning and types - Functions of Commercial banks - Process of credit creation - Purpose and limitations - Liabilities and assets of banks -

Commercial banking in India – Nationalization - Recent reforms in banking sector in India. (18 Hours)

#### **UNIT IV: CENTRAL BANKING**

Functions of Central Bank - Quantitative and qualitative methods of credit control - Bank rate policy, Open market operations, Cash reserve ratio and selective methods - Role and functions of the Reserve Bank of India. (18 Hours)

#### **UNIT V: MONEY AND CAPITAL MARKETS AND MONETARY POLICY**

Structure and importance of Money Market: London and New York Money Markets - Indian Money market - Indian Capital Market- Monetary Policy - Theories - Classical, Keynesian- objectives - Limitations of Monetary Policy with reference to India. (18 Hours)

#### **TEXT BOOK**

1. Sundaram K.P.M, Money banking And International Trade, 1990.

#### **BOOKS FOR REFERENCE**

1. Gupta. S.B., Monetary Economics, S. Chand & Company, New Delhi, 1994.
2. Mishra, S.S., Money, Inflation and Economic Growth, Oxford & IBH, New Delhi, 1981.
3. Sayers R.S, Modern Banking, OUP, New Delhi, Seventh Edition, 1978.

SEM-V  
14UEC530211

Hours/week: 4  
Credits: 3

### **RESEARCH METHODS IN ECONOMICS**

#### **Objective**

\* To help the students to acquire a fair idea about research methodology and its components.

#### **UNIT -I: FUNDAMENTAL CONCEPTS OF RESEARCH**

Meaning, objectives, purpose and criteria of Research - Types of research: pure, applied, historical, analytical, descriptive and experimental - Process of research - Scientific method - Case study method - Problems faced by researchers. (18 Hours)

#### **UNIT - II: RESEARCH PLANNING**

Research problem - Identification, selection and formulation of research problem - Review of literature: Published Sources - On-line Sources - Research Gap. (18 Hours)

#### **UNIT - III: SAMPLING DESIGN**

Different research designs - Factors affecting research design - Sampling design - Types of sampling - Factors affecting the size of the sample - Methods of data collection - Primary and secondary methods. (18 Hours)

#### **UNIT -IV: HYPOTHESIS**

Meaning, sources, formulation, concepts, importance and types of hypothesis - Procedure for testing hypothesis -Type-I and Type-II errors. (18 Hours)

#### **UNIT - V: INTERPRETATION AND REPORT WRITING**

Process of data analysis - Editing, coding, tabulation, diagrams - process of interpretation -Scaling techniques - Report writing - -Significance of report writing - Different steps in writing the report - Mechanics of writing a research report. (18 Hours)

#### **TEXT BOOK**

1. Kothari C.R, Research Methodology, New Age International, New Delhi, 2006.

#### **BOOKS FOR REFERENCE**

1. Gopal M. H., An Introduction to Research Procedures in Social Sciences, Asia Publishing House, Mumbai.
2. Wilkinson and Bandarkar, Methodology and Techniques of Social Research, Himalaya, Mumbai, 1984.
3. Young P.V, Scientific Social Surveys and Research, Prentice- Hall of India, New Delhi, 1977.
4. Gosh B.N, Research Methods in Social Science, Wisdom House, New Delhi, 2002.
5. Kurien C.T, A Guide to Research in Economics, National Publishing House, New Delhi, 1983.

SEM-V  
14UEC530212

Hours/week: 4  
Credits: 3

## **ECONOMICS OF INFRASTRUCTURE**

### **Objective**

\* To enable the student to understand the importance to infrastructure in an economy and the provision and management of it.

### **UNIT – IMPORTANCE OF INFRASTRUCTURE**

Infrastructure – meaning, importance and role in economic development - Infrastructure as a public good- Social and physical infrastructure- Special characteristics of infrastructure- Pricing of infrastructure. (18 Hours)

### **UNIT – II TRANSPORT AND COMMUNICATION**

Demand for transport- cost functions in the transport sector - Principle of pricing- Special problems of individual modes of transport- Telephone utilities- cost in telephone industry- Characteristics of postal services- Criteria for fixation of postal rates- measurement of standards of service in telephone and postal utilities. (18 Hours)

### **UNIT – III: ENERGY, ELECTRICITY AND WATER SUPPLY**

Primacy of energy in the process of economic development- factors determining demand for energy- Effects of energy shortages- Energy conservation- Renewable and non-conventional sources of energy- Relative economics of thermal, hydel and nuclear power plants- the case for a National Power Grid – Water: Sources – Demand and supply Aspects. (18 Hours)

### **UNIT – IV: EDUCATION AND ECONOMIC GROWTH**

Education and economic growth- the case for universal, free, primary education- structure of higher education- Financing of Higher Education in India- Health dimensions - Determinants of health – Poverty, Malnutrition, Illiteracy and lack of health information. (18 Hours)

### **UNIT – V ORGANISATION AND FINANCING OF INFRASTRUCTURE**

Organization and financing of social services - Private Vs Public sector financing - PPP in infrastructure. (18 Hours)

### **TEXT BOOK**

1. Dash. L.N, Economics of Infrastructure: Growth and Development, Regal, New Delhi, 2007.

## **BOOKS FOR REFERENCE**

1. Ashok V.Desai, Energy Demand, Analysis, Management and Conservation, Wiley Eastern, 1990.
2. Choudhuri. R.K. Economics of Public Utility, Himalaya Mumbai, 1986.
3. Raghuram. G, & Rekha Jain, Infrastructure Development and Financing, Macmillan New Delhi, 1999.
4. Reddy. K.C, Economics and Public Policy, Himalaya Mumbai, 2000.
5. Roma Mukherjee, Environmental Economics in the Third Millennium, Sterling Publishers, 2001.

SEM-V  
14UEC530301A

Hours/week: 4  
Credits: 3

## **TAMILNADU ECONOMY**

### **Objective**

\* To highlight the characteristics of Tamil Nadu and to focus the development issues of Tamil Nadu.

### **UNIT I: BASIC CHARACTERISTICS OF TAMILNADU**

Resource endowment - Land, Minerals, Forests and Monsoon - Population – Growth – Demographic Trends – National Family Health Survey – Human Development India Index – Gender Development Index. (12 Hours)

### **UNIT II: PERFORMANCE OF TAMILNADU ECONOMY**

Trends in State income - Structural growth before and after reforms -- Dynamism of the economy - State Planning Commission - Targets and Achievements - Financing of plans: Revenue, expenditure, debt – Current year Budget. (12 Hours)

### **UNIT III: AGRICULTURAL SECTOR**

Sources of irrigation - Cropping pattern - Productivity and yield of major crops - Agricultural marketing - Regulated Markets - Uzhavar Sandhai – Agricultural finance – Livestock. (12 Hours)

### **UNIT IV: INDUSTRIAL SECTOR**

Trends and patterns in industrial growth - Large scale and small-scale industries - Industrial Estate – KVIC and DIC -- Labour Welfare measures. (12 Hours)

#### **UNIT V: INFRASTRUCTURE**

Transport: road, rail, air and sea - Energy generation: Hydro, thermal and nuclear power systems - Banking – Housing - Social Welfare - Programmes of the State Government - Education and health - ICDS - Unemployment – Anti-poverty strategies – PDS - Women Development. (12 Hours)

#### **TEXT BOOK**

1. Leonard A.G, Tamil Nadu Economy, Macmillan, New Delhi, 2006.

#### **BOOKS FOR REFERENCE**

1. MIDS, Tamil Nadu Economy - Performance and Issues.
2. Rajalakshmi, Tamil Nadu Economy, Business Publishers, 1999.
3. Perumalsamy.S, Economic Development of Tamil Nadu, S. Chand, New Delhi, 1995.
4. Perumalsamy.S, Tamil Nadu Economy Performance and Issues, Oxford and IBH, 1988.
5. Veeramani A.R, Tamil Nadu Agricultural Economy, Divyasre, Chennai, 2005.
6. Manickam. S, Economic Development of TamilNadu in Perspectiv, 2007.

SEM-V  
14UEC530301B

Hours/week: 4  
Credits: 3

### **TOURISM MANAGEMENT**

#### **Objective**

\* To study the importance of Tourism Management and its promotion.

#### **UNIT I: BASIC CONCEPTS OF TOURISM**

Meaning, Definition, Concepts and Types of Tourism - Tourism and economic development - Importance of tourism – Sustainable Tourism. (12 Hours)

#### **UNIT II: TOURISM STATUS**

Tourism status in global and national - Impact of tourism development in India - Tourism Development Corporation in India - Programmes in Tourism Development - Infrastructure Development Programme - Integrated Development of Tourism Circuits, Product infrastructure and Destination Development - Assistance for Large Revenue Generating Projects. (12 Hours)

#### **UNIT III: TOURISM PRODUCT AND TOURISM MARKETING**

Tourism product - Attractions, Availability, Accessibility and Amenities - Tourism Marketing - various types of tourism marketing in India - Impact of Information Technology in tourism management. (12 Hours)

#### **UNIT IV: TOURISM SERVICES**

Hotels – Motels – Resorts - Boating Clubs – Conducted /Organized Tours – Package Tour – Insurance – Guides – Tour Operators - Tour Promoters – Medical Tourism- Medical Tourism in India. (12 Hours)

#### **UNIT V: GROWTH OF TOURISM**

Growth of tourism in India - Problems faced by tourism industry - National Tourism Policy of India - Fund allocation for tourism in India – TN Tourism Development Corporation. (12 Hours)

#### **TEXT BOOK**

1. Nirmal Kumar. S, Problems of Tourism in India-Tourism and Economic Development, APH, New Delhi 1996.

#### **BOOKS FOR REFERENCE**

1. Biswanath Ghosh, Tourism and Travel Management, Vikas, New Delhi, 1998.
2. Arun Kumar Shankar, Action Plan and Priorities in tourism development, Kaniskha, New Delhi, 1998.
3. Vinukumar. S and Chandrasekhar, K.S, Sustainable Development and Tourism, 2004.

SEM-V  
14UEC530302

Hours/week: 4  
Credits: 4

### **Core Elective-2 (WS) BASIC ECONOMICS**

#### **Objective**

\* To provide basic and conceptual understanding of economic concepts and principles.

#### **Unit-I Nature and Scope of Economics**

Definition, nature and scope of economics; micro and macro economics; positive and normative economics; working of economic systems with special reference to the capitalistic, socialistic and the mixed economies.

### Unit-II Demand Analysis

Meaning of Demand – Law of Demand – Elasticity of Demand - indifference curves - meaning and properties.

### Unit-III Production and Costs

Factors of Production – Features – Types of Cost concepts.

### Unit-IV National Income and Inflation

Concept, significance and measurement of national income- Concept of inflation- demand pull and cost push inflation- deflation and stagflation.

### Unit-V International Trade

Internal and International Trade: Features- A note on theories of International Trade-terms of trade - rate of exchange- balance of payments-Liberalisation, Privatisation and Globalisation - WTO.

### TEXTBOOK

1. S.Sankaran, (2003) Micro Economics, Margham Publications, Madras.
2. Jhingan M. L., (2012) Advanced Economic Theory, Konark, New Delhi.
3. Ruddar Datt and Sundharam K.P.M. (2013), Indian Economy, Sultan Chand, New Delhi.

### BOOKS FOR REFERENCE

1. Da Costa., G.C., (1980) Production, Prices and Distribution, New Delhi: Tata McGraw Hill.
2. Hirshlefer, J. and A. Glazer., (1997) Price Theory and Applications, Prentice Hall of India, New Delhi.
3. Kennedy, Maria John M., (1999) Advanced Micro Economic Theory (Second Edition) Himalaya, Publishing House, New Delhi.
4. Stigler, G., (1996) Theory of Price (Fourth Edition) PrenticeHall of India, New Delhi.
5. Ahuja H.L. (1996) - Principles of Micro Economics, A New look at Economic Theory, S. Chand, New Delhi.

SEM-V  
14UEC530302

Hours/week: 4  
Credits: 4

## Core Elective-2 (WS) BUSINESS CORRESPONDENCE

### Objective

- To help the students to learn the principles and practices of effective business communication.
- To enable the students to learn the tactics, techniques and tools of effective communication.

### UNIT I

Business Communication – Introduction – Objectives - Media of Communication -Principles of Communication - Non-Verbal Communication- Barriers to Communication. (12 Hours)

### UNIT II

Organizational Communication – Downward – Upward – Horizontal – Informal Communication – Email as a means of Communication. (12 Hours)

### UNIT III

Need - Functions and kinds of Business Letter - Essentials of an effective business letter – layout - Enquiries and replies – Complaints -Collection letter - Circular letter -Sales letter - Bank correspondence -Insurance correspondence. (12 Hours)

### UNIT IV

Report Writing – Meaning - Importance of reports - Characteristics of a good report -Preparation of report - Report by individual - Report by Committee. (12 Hours)

### UNIT V

Presentation Skills – Introduction – Objective – Planning – Preparation-Practice and rehearsal - Making the presentation. (12 Hours)

### TEXTBOOK

1. Rajendra Pal, J.S. Kolharlli, (2008), Essentials of Business Communication, Sultan Chand & Sons, New Delhi.

### BOOKS FOR REFERENCES

1. Sharma, Business Correspondence & Report Writing, (2008), Tata Mcgraw-hill Education (India) Ltd., New Delhi.

- G.S.R.K. BabuRao, (2005), Business Communication and Report Writing, Himalaya Publishing House, New Delhi.
- AshaKaul, (2000), Effective Business Communication, Prentice Hall of India, New Delhi.
- Access series 2011 communication for business, Mcgraw-Hill management, New Delhi.
- Monippally 2013-14 business communication, Mcgraw- Hill management, New Delhi.

SEM-V  
14UEC540601

Hours/week: 2  
Credits: 2

**Skill Based Elective (BS):  
SECURITY ANALYSIS**

**Objective**

\* To provide an understanding of the conceptual framework underlying Security Analysis & Portfolio Management.

**UNIT-I: INTRODUCTION TO CAPITAL MARKET**

Capital market: Meaning and functions – Constituents - Instruments dealt with the share markets - bench mark indices- SENSEX- NIFTY. (6 Hours)

**UNIT-II: VALUATION OF BONDS**

Measures of yield - Duration and Convexity - Measures of Risk - Determinants of Interest Rates - Bond Swaps. (6 Hours)

**UNIT-III: DERIVATIVE SECURITIES**

Equity options: Concept, Applications and Valuation- Index Futures: Concept and Applications. (6 Hours)

**UNIT-IV: VALUATION OF EQUITY STOCKS**

Approaches to Equity Stock Valuation - Economic Analysis- Industry Analysis - Company analysis, Technical Analysis, Hypothesis. (6 Hours)

**UNIT-V: PORTFOLIO MANAGEMENT**

The Conceptual Framework: Modern Portfolio Theory, Portfolio Management, and Performance Evaluation of Portfolio. (6 Hours)

**TEXT BOOK**

- Fischer. D.E, and Jordan R.J, Security Analysis And Portfolio Management, Prentice Hall of India, New Delhi, 1992.

**BOOKS FOR REFERENCE**

- Ballha, V.K, Investment Management, S.Chand, New Delhi.
- Avadhani. V.A, Investment and Securities Markets in India, Himalaya, Bombay.
- Simha. S.L.N, Hemalatha. D and Balakrishnan S, Investment Management, Madras Institute for Financial Management and Research, 1979.
- Elton.E.J, & Gruber. M.J, Modern Portfolio Theory & Investment Analysis; John Wiley.

SEM-V  
14USS540701

Hours/week: 2  
Credits: 1

**IDC-1  
SOFT SKILLS**

**Objective**

\* This course is aimed at introducing the students to the nuances of developing the basic skills that required of an educated youth; and to train them to present the best of themselves as job seekers.

**Module 1: Effective Communication & Resume Writing**

Basics of communication - definition of communication, Barriers of Communication, Non-verbal Communication; Effective Communication - Johari Window, The Art of Listening, Conversation Techniques, Good manners and Etiquettes.

**Module II: Resume Writing & Interview skills**

Resume Writing: What is resume? Types of Resume - Chronological, Functional and Mixed Resume, Steps in preparation of Resume. Interview Skills: Common interview questions, Attitude, Body Language, The mock interviews, Phone interviews, Behavioral interviews.

**Module III: Group Discussion**

Group Discussion Basics, GD Topics for Practice, Points for GD Topics. Personal Effectiveness: Self Discovery; and Goal Setting

**Module IV: Numerical Ability**

Average, Percentage; Profit and Loss, Simple Interest, Compound Interest; Time and Work, Pipes and Cisterns; Time and Distance, Problems on Trains, Boats and Streams; and Calendar, Rations and Proportions.



### Module V: Test of Reasoning

Verbal Reasoning: Series Completion, Analogy; Data Sufficiency, Assertion and Reasoning; and Logical Deduction. Non-Verbal Reasoning: Series; and Classification

#### References

1. Aggarwal, R.S. 2010. A Modern Approach to Verbal and Non Verbal Reasoning. S.Chand, New Delhi.
2. Covey, Stephen. 2004. 7 Habits of Highly effective people, Free Press. Egan, Gerard. (1994). The Skilled Helper (5th Ed). Pacific Grove, Brooks/Cole.
3. Khera, Shiv 2003. You Can Win. Macmillan Books , Revised Edition.
4. Murphy, Raymond. 1998. Essential English Grammar. 2nd ed., Cambridge University Press. Sankaran, K., & Kumar, M. Group Discussion and Public Speaking. M.I. Pub, Agra, 5th ed., Adams, Media.
5. Trishna's 2006. How to do well in GDs & Interviews, Trishna Knowledge Systems.
6. Yate, Martin. 2005. Hiring the Best: A Manager's Guide to Effective Interviewing and Recruiting\*.

SEM-VI  
14UEC630213

Hours/week: 7  
Credits: 4

### HISTORY OF ECONOMIC THOUGHT-II

#### Objective

- \* This paper tracing the history of economic thought, would enable the student to understand how contemporary economics came to be what it is.

#### UNIT I: MARGINALISTS

Main Characteristics of Marginalism; Economic Ideas-Jevons, Karl Menger, Walras and Alfred Marshall: role of time in price determination, economic methods, ideas of consumer's surplus, elasticities, prime and supplementary costs, representative firm, external and internal economies, quasi-rent, organization as a factor of production, nature of profits. (18 Hours)

#### UNIT II: HETERODOXY AFTER MARSHALL

Institutionalist Theory of Veblen- Gunnar Myrdal- J.K. Galbraith. (18 Hours)

#### UNIT III: INNOVATIONS AND IMPERFECTIONS

J.A. Schumpeter: Role of entrepreneur and innovations, Mrs. Joan Robinson: Imperfect Market C.A. Chamberlin: Monopolistic Competition. (18 Hours)

#### UNIT IV: KEYNESIAN IDEAS

Aggregate economy, Liquidity Preference Theory and Liquidity Trap, Marginal Efficiency of Capital and Marginal Efficiency of Investment, wage rigidities, underemployment equilibrium- Role of fiscal policy: deficit spending and public works, multiplier principle, cyclical behaviour of the economy, uncertainty and role of expectations, impetus to economic modeling. (18 Hours)

#### UNIT V: INDIAN ECONOMIC THOUGHT

Early economic ideas: Valluvar; Modern economic ideas: Naoroji, Ranade, R.C. Dutt and M.N. Roy; Economic ideas of Gandhi: Village, Swadeshi, place of machine and labour, cottage industries, trusteeship - Nehru: Early approaches to planning (The National Planning Committee). (18 Hours)

#### TEXT BOOK

1. Loganathan, A., A History of Economic Thought, S. Chand and Company, New Delhi, 1987.

## BOOKS FOR REFERENCE

1. Blackhouse. R, A History of Modern Economic Analysis, Basil Blackwell, Oxford 1985.
2. Ganguli. B.N, Indian Economic Thought: A 19th Century Perspective, McGraw Hill, New Delhi, 1977.
3. Gide.C. and Rist.G, A History of Economic Doctrines, George Harrop, London, 1956.
4. Grey, A. and Thomson. A.E., The Development of Economic Doctrine, Longman Group, London, 1980.
5. Kautilya., The Arthashastra (Edited, Rearranged, Translated and Introduced by L.N. Rangaranjan), Penguin Books New Delhi ,1992.
6. Roll. E., A History of Economic Thought, Faber, London, 1973.
7. Schumpeter. J.A., A History of Economic Analysis, OUP, New York, 1954.
8. Seshadri. G.B., Economic Doctrines, B.R. Publishing Corporation, New Delhi, 1997.

SEM-VI  
14UEC630214

Hours/week: 6  
Credits: 4

## PUBLIC FINANCE

### Objective

- \* To enable the students to understand the revenue and expenditure management of the state.

### UNIT-I: NATURE AND SCOPE OF PUBLIC FINANCE

Meaning, Scope and importance of public finance - Normative and positive approach- Role of state on economic activities - comparison of public and private finance. (18 Hours)

### UNIT-II: CONCEPTS OF REVENUE, EXPENDITURE AND DEBT

Revenue-Meaning, source, tax and non-tax (classification) revenue and importance; Expenditure – meaning scope, classification, effects and importance; Debt – meaning, classification and reasons for the growth. (18 Hours)

### UNIT-III: TAXATION

Meaning, characteristics, objectives, cannons and kinds of tax; impact, shifting, incidence, evasion and effects of taxation; major taxes – expenditure tax, commodity tax, VAT, GST, wealth tax and agricultural tax. (18 hours)

## UNIT-IV: BUDGET

Budgetary procedure in India; agencies involved in financial administration and parliamentary control on budget; current budget; fiscal policy – concepts (fiscal deficit, revenue deficit and primary deficit), instruments and objectives. (18 Hours)

## UNIT-V: FISCAL FEDERALISM

Meaning and importance of federalism- Principles of Federal Finance-Centre-state financial relations- Recent Finance Commission. (18 Hours)

## TEXTBOOK

1. Tyagi. B.P, Public Finance, Jai Prakash Nath, Meerat, 1999.
2. Maria John Kennedy, Macro Economic Theory, PHI Learning Pvt. Limited, New Delhi, 2011.

## BOOKS FOR REFERENCE

1. H.L. Bhatia. Public Finance, Vikas, New Delhi, 1999.
2. Musgrave and Musgrave, Public Finance in Theory and Practice, McGraw Hill, New Delhi, 1984.
3. Agarwal. R.P, Public Finance, Lakshmi Narain, Agra.

SEM-VI  
14UEC630215

Hours/week: 7  
Credits: 5

## INTERNATIONAL ECONOMICS

### Objective

- \* To familiarize the students with the theories, policies of international economic relations and payment system.

### UNIT-I: CONCEPT OF INTERNATIONAL TRADE AND CLASSICAL THEORIES

Nature of International Trade - Internal and International Trade - Classical theory of International Trade - Adam Smith's Absolute Advantage Theory: - Ricardo's Comparative Cost Theory - Mill's Theory of Reciprocal Demand. (18 Hours)

### UNIT-II: MODERN VERSION OF THEORIES OF INTERNATIONAL TRADE

Heckscher - Ohlin Theory of International Trade - Haberler's opportunity cost version of comparative cost theory – Marshall - Edgeworth offer curves - Gains from international trade - The terms of trade. (18 Hours)

### UNIT – III: EXCHANGE RATE

Exchange Rate: Definition- Types of Exchange Rate- Fixed Vs Flexible Exchange Rate Policy - Theories of Foreign Exchange Rate: The Mint-Parity Theory - The Purchasing Power Parity Theory – BOP Theory. (18 Hours)

### UNIT-IV: BALANCE OF TRADE AND BALANCE OF PAYMENT

BOT - BOP - Current Account, Capital Account - Visible and Invisible - Causes for disequilibrium in Balance of Payments – Methods of correcting the disequilibrium - Devaluation of Currency – Convertibility of Currency: Partial Account and Full Account. (18 Hours)

### UNIT-V: COMMERCIAL POLICIES AND INTERNATIONAL ECONOMIC RELATIONS

Free Trade - Protection - Tariffs - Quotas - International Economic Institutions: IMF, IBRD, WTO, and UNCTAD - Trade Blocs: EEC, OPEC, SAARC, and ASEAN. (18 Hours)

#### TEXT BOOK

1. Mithani. D, International Economics, Himalaya, Mumbai, 1993.

#### BOOKS FOR REFERENCE

1. Soderston B, International Economics, Macmillan, London, 2002.
2. Jhingan. M.L, International Economics, Vrindha, New Delhi 2003.
3. Rana & Verma, International Economics, Asian, New Delhi.

SEM-VI  
14UEC630303

Hours/week: 4  
Credits: 4

### Core Elective (3) (WS): ENERGY ECONOMICS

#### Objective

- \* To know overall perspective of Energy sources, its role and impact on Economic Development.

#### Unit - I: Energy Economics

Meaning- Conventional sources: Commercial and Non commercial Energy- Renewable and Non-renewable sources- Direct and Indirect sources of Energy- Other sources.

#### Unit - II: Non – Conventional sources

Solar Energy- Wind Energy- Tidal Energy- Geothermal Energy- Ocean Energy- Wood Fuel- Biogas- Energy from the waste and its Economic Basis (Disposal of Toxic wastes, Sludge power, Green factory).

### Unit-III: Environmental Impact Analysis

Coal - Oil - Natural Gas - Nuclear Fission.

### Unit-IV: Energy Problems and Planning in India

Nature of the Energy Problems – Present energy situation- Future energy demand- Energy Planning in India: Integrated Energy Planning – Energy strategy- Current Plans.

### Unit-V: Energy Conservation and Energy Programmes

Conservation at Electric Utilities- Energy conservation in ONGC – Strategies for energy conservation- Oil crises of the world- Energy Programmes of the International Organizations.

#### Text Book

1. Energy Economics- Dhulasi Birundha Varadarajan , Sterling Publishers, Private Limited- New Delhi-16. 1993.

#### Books for Reference

1. Mohan. I, (1989) “Environmental Pollution and Management”, Ashis Publishing House, New Delhi.
2. Pandey and Carney, (1998) Environmental Engineering, Tata Mc Graw Hill, New Delhi.
3. Field. RC, (2000) Environmental Economics, Mc Graw Hill, New York.
4. Karpagam, M (1999) Environmental Economics, Sterling New Delhi.
5. Katar Singh, Anil Shisodia (2009) Environmental Economics – Saga Publications - New Delhi.
6. Ruddar Datt and Sundharam K.P.M., Indian Economy, Sultan Chand, New Delhi, 2009.

SEM-VI  
14UEC630303

Hours/week: 4  
Credits: 4

### Core Elective (WS): SECRETARIAL PRACTICE

#### Objective

- To enable the students to understand the principles and procedures of Company Law.
- To enable them to acquire skills needed for socially relevant and good corporate governance

#### Unit I

Introduction to company - company Formation Procedure for formation Registration, Re-registration & Consequences of Non- Registration,

Company – Meaning, Definition, Features & Types, Conversion of Public & Private company & Reconversion of Private & Public Company. Filing of Periodical Returns & Penalties therein. Procedure for getting compliance certificate. Specimens. (12 hours)

#### **Unit II**

Company Secretary – Who is a Secretary? Importance – Types – Positions – Qualities – Qualifications – Appointments and dismissals – Powers – Rights – Duties – Liabilities. Role of Company Secretary as a Statutory Officer, as a coordinator and as a Administrative Officer. (12 hours)

#### **Unit III**

Appointment of Director - Removal of Director – Rights – Liabilities . Law Governing Meetings – Requisites of valid meeting – Chairman of a meeting – Appointments – Duties and Powers – Notice – Agenda - Quorum – Motion – Resolution – Methods of Voting – Minutes. (12 hours)

#### **Unit IV**

Kinds of Company Meetings – Board of Directors meetings – Statutory meetings – Annual General meeting – Extraordinary General meeting – Duties of a Company secretary relating to the meetings. (12 hours)

#### **Unit V**

Drafting of Correspondence – Relating to the meetings – Notices – Agenda – Chairman’s speech – Writing of minutes. (12 hours)

#### **TEXT BOOKS**

1. Kapoor, N.D, (Latest), ‘Elements of Company Law’, Sultan Chand & Sons, New Delhi.
2. Kuchhal, M.C, (Latest ), ‘Secretarial Practice’ Vikas publishing house Pvt. Ltd., New Delhi.

#### **BOOKS FOR REFERENCES**

1. Prasanta K. Gosh and Balachandran, V, (Latest), Company Law and Practice – I & II, Sultan Chand & Sons, New Delhi.
2. Autar Singh, (Latest), ‘Company Law’, Eastern book Co., Lucknow.
3. Ashok K. Bagrial, (Latest), ‘Company Law’, Vikas publishing house Pvt. Ltd., New Delhi.
4. Bansal, CL, (2005), Corporate Governance-Law, Practice, procedures with case studies, Taxmann Allied services (P) Ltd.

SEM-VI  
14UEC640602

Hours/week: 2  
Credits: 2

### **Skill Based Elective-II: PRACTICAL INSURANCE**

#### **Objective**

- \* This paper would provide students an understanding of the nature of risks, the role of Insurance and the contribution to the national economy.

#### **UNIT-I: NATURE AND IMPORTANCE OF INSURANCE**

Definition - Evolution - Primary and Secondary Functions - -Characteristics - Importance to Individual, Business and Society. (6 Hours)

#### **UNIT-II: INSURANCE CONTRACT AND RISK MANAGEMENT**

Meaning of Contract - Insurable Interest - Utmost Good Faith - Principle of Indemnity and other Principles - Risk Management: Definition and Types - Management of Risk through Identification analysis and control. (6 Hours)

#### **UNIT-III: PERSONAL LIFE INSURANCE AND INDUSTRIAL LIFE INSURANCE**

Features of Life Insurance - Proximate Cause - Assignment and Nomination - Rate of Premium - Endowment Policies - Accident Benefit - Disability Benefits - Industrial Life Insurance: Purpose - Group Life Insurance - Benefits. (6 Hours)

#### **UNIT-IV: MARINE AND FIRE INSURANCE**

Marine Insurance: Nature - Procedures - Exceptions - Types - Premium Calculation and payment of Claims - Fire Insurance: Definition – Elements in Insurance - Contract - Policy Conditions - Rate Fixation - Payment of Claims. (6 Hours)

#### **UNIT-V: PRACTICAL INSURANCE**

Premium calculation through table reading- surrender value estimation- Estimation of Loan availability - Practical applications of Insurance. (6 Hours)

#### **TEXT BOOK**

1. Mishra M.N, Insurance: Principles & Practices, S. Chand., New Delhi, 2005.

**BOOKS FOR REFERENCE**

1. Srivatsava D.C & Shashank Srivastava, Indian Insurance Industries Transition & Prospect, New Century, New Delhi, 2001.
  2. Holyoake, Julia & William Weipers, Insurance, AITBS Publications, New Delhi, 2002.
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