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Every Good Work

# SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

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A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987  
Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Post Graduate and Research Department of Economics

Sacred Heart College (Autonomous) Tirupattur-635601. Tirupattur District.

Program structure for B.A. Economics under new CBCS with effect from 2021-2022 onwards

**Name of the Programme: EC01 - BA ECONOMICS**

### **Vision:**

We, the Department of Economics of Sacred Heart College, inspired by the love of the Heart of Jesus and fundamental human values, following the educative system of Don Bosco are committed to the creation of an ethical and prosperous society, to empower the student in higher education in terms research and consultancy.

### **Mission:**

To impart quality of education of student community to create a society more worthy of humans.

### Programme Outcomes at Undergraduate Level

Programme will be able to:

<b>PO1</b>	Impart knowledge and understanding: apply new ideas in order to obtain employment / self employment.
<b>PO2</b>	Demonstrate communication skills both oral and written in personal and academic pursuits.
<b>PO3</b>	Recognise moral and ethical values and being socially responsible citizens in the society.
<b>PO4</b>	Direct their own self-learning through MOOC courses, co-curricular activities industrial exposures and field trainings.
<b>PO5</b>	Develop their own brand conceptual background in Social Sciences, Computing Skills, Languages, Culture, Managerial Skills, and Physical Sciences.
<b>PO6</b>	Apply analytical, technical, problem solving, critical thinking and decision making skills.

### Programme Specific Outcomes at Undergraduate Level

Programme will be able to:

<b>PSO1</b>	Demonstrate different principles and theories subject to obtain employment.
<b>PSO2</b>	Equip various skills with basic quantitative techniques.
<b>PSO3</b>	Appraise as a responsible citizen incorporating social, ethical and moral values.
<b>PSO4</b>	Holistic development in self study, virtual learning and development.
<b>PSO5</b>	Develop the analytical skills in the field of social and physical sciences.
<b>PSO6</b>	Pursue higher learning programmes and become entrepreneurs.

**Post Graduate and Research Department of Economics**

**Sacred Heart College (Autonomous) Tirupattur-635601. Tirupattur District.**

**Course structure for B.A. Economics under new CBCS with effect from 2021-2022**

<b>SEMESTER – I</b>						
<b>Course</b>	<b>Subject Code</b>	<b>Subject Title</b>	<b>Hours</b>	<b>Credits</b>	<b>Marks</b>	
					<b>CIA</b>	<b>Sem</b>
I		Tamil – I	5	3	50	50
II		English – I	5	2	50	50
III	E120	Core: Economic Thought	5	5	50	50
III	E121	Core: Statistics for Economics	5	5	50	50
III		Allied History – I: History of India (1858-1947 AD)	6	4	50	50
IV		Foundation course – Communication Skills	2	1	100	
IV		Religion / Ethics	2	1	100	
		Communicative English – I		1		
		English Lab – I		1		
<b>Total</b>			<b>30</b>	<b>23</b>		

<b>SEMESTER – II</b>						
<b>Course</b>	<b>Subject Code</b>	<b>Subject Title</b>	<b>Hours</b>	<b>Credits</b>	<b>Marks</b>	
					<b>CIA</b>	<b>Sem</b>
I		Tamil – II	5	3	50	50
II		English –II	5	2	50	50
III	E218	Core: Micro Economics – I	5	5	50	50
III	E219	Core: Mathematics for Economics	5	5	50	50

III		Allied History – II : History of India (1947-2014 AD)	6	4	50	50
IV		Foundation Course – Leadership Skills	2	1	100	
IV		Religion / Ethics	2	1	100	
		Communicative English – II		1		
		English Lab – II		1		
<b>Total</b>			<b>30</b>	<b>23</b>		

### SEMESTER – III

Course	Subject Code	Subject Title	Hours	Credits	Marks	
					CIA	Sem
I		Tamil – III	5	3	50	50
II		English – III	5	2	50	50
III	E317	Core: Micro Economics – II	5	5	50	50
III	E318	Core: Macro Economics – I	5	5	50	50
III		Allied Political Science-I: Outline of Comparative Government Allied Commerce: Principles of Accountancy	6	4	50	50
IV		Foundation Courses – Technical Skills	2	1		
IV		Human Rights	2	1		
		English Lab – III		1		
<b>Total</b>			<b>30</b>	<b>22</b>		

### SEMESTER – IV

Course	Subject Code	Subject Title	Hours	Credits	Marks	
					CIA	Sem
I		Tamil – IV	5	3	50	50
II		English – IV	5	2	50	50
III	E419	Core: Macro Economics –II	5	5	50	50
III	E420	Core: Industrial Economics	5	5	50	50
III		Allied Political Science-II: The Constitution of India Allied Commerce: Elements of Cost Accounting	6	4	50	50
IV		Foundation courses– Employability Skills	2	1		
IV		Environmental Science (EVS)	2	1		
		English Lab – IV		1		
		<b>Extension Activities</b>				
		Groups and Movements		2		
		Outreach Programme		2		
<b>Total</b>			<b>30</b>	<b>26</b>		

#### SEMESTER – V

Course	Subject Code	Subject Title	Hours	Credits	Marks	
					CIA	Sem
III	E543	Core: International Economics	6	5	50	50
III	E544	Core: Fiscal Economics – I	5	5	50	50
III	E545	Core: Indian Economy	6	5	50	50
III	E546	Core: Monetary Economics – I	5	5	50	50
III	E547A	Elective:1.Managerial Economics	6	5	50	50
	E547B	Elective:2.Basic Econometrics				
	E547C	Elective:3.Human Resource Management				

III	NEC504	Non-Major Elective – I: Basic Economics	2	1		
III		SSP *: Self Study Paper		1		
<b>Total</b>			<b>30</b>	<b>27</b>		

SEMESTER – VI						
Course	Subject Code	Subject Title	Hours	Credits	Marks	
					CIA	Sem
III	E643	Core: Environmental Economics	6	5	50	50
III	E644	Core: Monetary Economics – II	5	5	50	50
III	E645	Core: Fiscal Economics – II	5	5	50	50
III	E646	Subject Skill: Financial Economics	6	5	50	50
III	E647	Subject Skill: Basic Computer and its Application	6	5	50	50
III	NEC604	Non-Major Elective – II: Indian Economy: Basic Issues	2	1		
III		SSP *: Self Study Paper		1		
<b>Total</b>			<b>30</b>	<b>27</b>		
<b>Grand Total</b>				<b>148</b>		

### Course Structure for U.G. Commerce -2021-22

#### B.Com (Commerce) (Allied Subject)

Sem	Subject Code	Subject Title	Hours	Credits	Marks	
					CIA	Sem

I	AE106	Principles of Economics	6	4	50	50
II	AE207	Entrepreneurship Development	6	4	50	50
III	AE305	Managerial Economics	6	4	50	50
IV	AE405	International Economics	6	4	50	50

<b>Particulars</b>	<b>Hours</b>	<b>Credits</b>
Tamil	<b>20</b>	<b>12</b>
English	<b>20</b>	<b>12</b>
Main and Allied	<b>124</b>	<b>110</b>
Skill Electives, Ethics/Religion, EVS & CE	<b>16</b>	<b>10</b>
Extension Activities		<b>4</b>
<b>Total</b>	<b>180</b>	<b>148</b>

### Evaluation Pattern

<b>CA</b>	<b>50 Marks</b>
<b>Semester</b>	<b>50 Marks</b>
<b>Total</b>	<b>100 marks</b>

### Question Paper Pattern for CA

#### Maximum Marks: 50

Section - A (6 x 2 = 12 Marks) Answer ALL the questions.

Section - B (3 x 6 = 18 Marks) Answer ALL the questions. Either OR Type of questions

Section - C (2 x 10 = 20 Marks) Answer ANY TWO questions from FOUR questions

### CA Components

2 CA Tests	-	30 Marks (I CA = 15 & II CA = 15)
Online quiz (MCQs)	-	10 Marks (2 questions from each unit. To be conducted either in Google forms, Moodle, Hot potatoes or any other software)
Assignment	-	5 Marks (one assignment from each unit)
Attendance	-	5 Marks
<b>Total</b>		<b>50 Marks</b>

### Question Paper Pattern for Semester Examinations

#### Maximum Marks 100

Section - A (10 x 2 = 20 Marks) Answer ALL the Questions. Two questions from each unit.

Section - B (5 x 7 = 35 Marks) Answer ALL the Questions. Either OR Type of Questions. Two questions from each unit.

Section - C (3 x 15 = 45 Marks) Answer ANY THREE from FIVE questions. One question from each unit.

PSO – PO Mapping						
PSO	PO1	PO2	PO3	PO4	PO5	Mean Score
PSO1	3	2	2	1	2	2
PSO2	2	3	1	1	3	2
PSO3	2	2	2	2	2	2



PSO4	2	2	3	3	2	2.4
PSO5	2	3	2	2	3	2.4
Mean Overall Score						2.16
Result						High
High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)						

Semester	Course Code	Title of the Course	Hours	Credits
I	E120	ECONOMIC THOUGHT	5	5

**Course Objectives:**

1. To gain knowledge on the perception of economic thinking of mercantilism and physiocracy.
2. To understand the logical foundations of the Classical School in Economics.
3. To identify the different Neo-Classicals and their contributions in economics.
4. To understand the different types of demand for money in terms of Keynesian ideas.
5. To compare the recent Indian economic thought with classical economic thought.

**Course Outcomes:**

After successful completion of the course, students will be:

S. No	CO – Statement	Cognitive Level (K – Level)
CO-1	Understanding of the ancient and medieval economic thoughts.	K1, K2
CO-2	Comparing the logical foundations of the Classical School in economics.	K2, K3
CO-3	Developing the different Neo-Classicals and their contributions in economics	K3, K4
CO-4	Applying the Keynesian ideas for various types of demand for money	K4, K5
CO-5	Analysing and evaluating the modern economic ideas.	K5, K6

**Unit- I: Mercantilism and Physiocracy**

**(15 Hours)** Mercantilism;

characteristics - Physiocracy; primacy of agriculture, social classes.

**Unit- II: Classical School**

**(15 Hours)** Classification –

features, Adam Smith – Division of labour, theory of value, capital accumulation, distribution, views on trade, economic progress, Thomas R Malthus, David Ricardo, J.B. Say – economics ideas of Say.

**Unit- III: Neo-Classicals**

**(15 Hours)**

Knut Wicksell- Main theories of Wicksell, theory of capital and interest, Monetary reforms, competition, J.B Clark- Tausig – Institutional theory of Veblen, Karl Marx.

**Unit- IV: Keynesian Ideas****(15 Hours)**

Liquidity Preference Theory and Liquidity Trap, Marginal Efficiency of Capital and Marginal Efficiency of Investment, wage rigidities, underemployment equilibrium- Aggregate Demand and Supply.

**Unit- V: Recent Indian Economic Thought****(15 Hours)**

Modern Economic Ideas: - Gandhiji - R.C Dutt – Amartya Sen’s Poverty approach - Abhijit Banerjee’s approach.

**Text Books:**

1. V. Lokanathan, “A History of Economic Thought”, S. Chand & Company Ltd, New Delhi, 2007.  
Unit I – Chapters 5, 6. PP. 28 - 38.  
Unit II – Chapters 7, 10, 11, PP. 46 - 53, PP. 63 - 73.  
Unit III – Chapters 25, 26. PP. 142 - 151.  
Unit IV – Chapters 27, 29. PP. 152 - 162, PP. 165 - 166.  
Unit V – Chapters 32, PP. 177 - 221.
2. S. R. Singh, “Economic Thought”, APH Publishing Corporation, New Delhi, 2014.  
Unit I – Chapter 1, PP. 1 - 80.  
Unit II – Chapters 2, PP. 81 - 129.  
Unit III – Chapters 5, PP. 228 - 253.  
Unit IV – Chapters 4, PP. 180 - 227.  
Unit V – Chapters 5, PP. 228 - 275.

**References:**

1. Heinz D. Kurz, “Economic Thought – A brief History”, Rawat Publications, New Delhi, 2018.
2. John Maynard Keynes, “The General Theory of Employment, Interest & Money”, MJP Publishers, New Delhi, 2019.
3. Guy Routh, “The Origin of Economic Ideas”, The Macmillian Press Ltd, London, 1989.
4. S.S.M. Desai, “Economic History of India”, Himalaya Publishing House, New Delhi, 2000.
5. H.L. Bhatia, “History of Economic Thought”, Vani Educational Books Publications, New Delhi, 1978.
6. B.N. Ganguli, “Indian Economic Thought”, TATA McGraw-Hill Publishing Co. Ltd, New Delhi, 1977.

**Journals:**

1. The Economic History Review
2. Journal of the History of Economic Thought.
3. The European Journal of the History of Economic Thought.
4. Economic Thought Journal.
5. Journal of Economic Theory
6. Journal of Economic Literature
7. International Journal of Political Economy
8. Journal of Economic Issues
9. Economic Thought – Scimago Journal
10. Economic History of Developing Regions

### Web Resources:

1. <https://www.slideshare.net/SanaHassanAfridi1/mercantilism-andthephysiocrats>
2. <https://cleartax.in/g/terms/classical-economics#:~:text=Classical%20economics%20refers%20to%20the,and%20belief%20in%20free%20competition.>
3. <https://www.investopedia.com/terms/n/neoclassical.asp>
4. <https://www.imf.org/external/pubs/ft/fandd/2014/09/basics.htm>
5. <https://vips.edu/wp-content/uploads/2020/09/The-Economic-Thoughts-of-Gandhi-Relevance-for-the-Progressive-India.pdf>
6. [https://www.researchgate.net/publication/340298748\\_HOW\\_TO\\_ALLEVIATE\\_POVERTY\\_LESSONS\\_FROM\\_THE\\_2019\\_NOBEL\\_PRIZE\\_IN\\_ECONOMICS#:~:text=In%202019%2C%20Esther%20Duflo%2C%20Abhijit,randomized%20controlled%20trials%20\(RCTs\).](https://www.researchgate.net/publication/340298748_HOW_TO_ALLEVIATE_POVERTY_LESSONS_FROM_THE_2019_NOBEL_PRIZE_IN_ECONOMICS#:~:text=In%202019%2C%20Esther%20Duflo%2C%20Abhijit,randomized%20controlled%20trials%20(RCTs).)

### Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes

Sem.	Course Code	Title of the Course									Hours	Credit
I	E120	Economic Thought									5	5
	Programme Outcomes (PO)				Programme Specific Outcomes (PSO)					Mean Scores of COs		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4			PSO5
CO1	3	2	2	2	2	2	1	2	2	1	1.9	
CO2	2	3	2	3	2	3	3	3	3	3	2.7	
CO3	2	3	2	3	2	2	2	3	3	3	2.5	
CO4	3	2	3	2	2	2	2	3	2	3	2.4	
CO5	3	2	2	2	3	2	3	3	3	3	2.6	
Mean Overall Score											2.5	
Result											High	

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

### Assessment Pattern

Bloom's Category	CA Tests (Marks Allotment)		Term End Exam (100) Marks Allotment
	I CA (50)	II CA (50)	
Remember	10	10	20
Understand	10	10	30
Apply	10	10	10

<b>Analyze</b>	10	10	10
<b>Evaluate</b>	5	5	10
<b>Create</b>	5	5	20

Semester	Course Code	Title of the Course	Hours	Credits
I	E121	STATISTICS FOR ECONOMICS	5	5

### Course Objectives:

1. To learn relevant statistical concepts related to Economics.
2. To gain knowledge about importance of variability.
3. To understand the theory and practice of bivariate analysis.
4. To know the concepts and techniques of regression analysis.
5. To measure the changes in group of related variables using index numbers.

### Course Outcomes:

After successful completion of the course, the student will be

S. No.	CO- Statement	Cognitive Level (K-Level)
CO-1	Understanding the different fundamental statistical methods.	K1, K2
CO-2	Comparing various measures of dispersion.	K2, K3
CO-3	Applying bivariate methods to real world problems.	K3, K4
CO-4	Analysing the regression in the business and corporate field.	K4, K5
CO-5	Constructing indexes to measure price changes and quantity changes.	K5, K6

### Unit -I: Concepts of Statistics

(15 Hours)

Meaning and definition, functions, Source of Data: Primary and secondary data, method of collection of primary data and sources of secondary data. Classification, tabulation of data. Diagrammatic and graphic representation of data. Measures of Averages- Arithmetic mean median, mode, geometric mean and harmonic mean.

### Unit- II: Measures of Dispersion

(15 Hours)

Need for the study of measures of deviation. Range, quartile deviation, mean deviation, standard deviation and coefficient of variation. Skewness and Kurtosis.

### Unit- III: Bivariate Data Analysis

(15 Hours)

Correlation Analysis- meaning and definition, types of correlation, limit of correlation coefficient, methods of study of correlation: scatter diagrammatic method, Karl Pearson's coefficient of correlation, Spearman's rank correlation.

#### **Unit- IV: Regression Analysis**

**(15 Hours)**

Meaning and definition, two regression lines, two regression equations. Regression equation of X on Y and regression equation on Y on X. Two regression coefficient.

#### **Unit- V: Index numbers**

**(15 Hours)**

Methods of construction of index numbers – Cost of living Index - Laspeyres, Paache's, Marshall – Edgeworth's, Fisher's Ideal index number; Time reversal and Factor reversal test.

#### **Text Books**

1. Gupta S.P, 'Statistical Methods' 46<sup>th</sup> Edition, (Volume I), Sultan Chand & Sons Publications, New Delhi, 2021.  
Unit-I - Chapter 3, 5 and 7  
Unit-II - Chapter 8 and 9  
Unit-III - Chapter 10  
Unit-IV - Chapter 11  
Unit-V - Chapter 13
2. Pillai R.S.N and Bagavathi, 8<sup>th</sup> Edition, 'Statistics: Theory and Practice', S. Chand and Company Ltd. New Delhi, 2019.

#### **Books for References**

1. Gupta S.C, 'Fundamental of Statistics' 7<sup>th</sup> Edition, Himalaya Publishing House, New Delhi, 2018.
2. Pillai R.S.N and Bagavathi, "Statistics: Theory and Practice", 8<sup>th</sup> Edition, S. Chand & Co Ltd. New Delhi, 2019.
3. Gupta S.C and Kapoor .V.K, "Fundamentals of Mathematical Statistics", 12<sup>th</sup> Edition, Sultan Chand & Sons Publications, New Delhi, 2020.
4. Vittal P.R, "Business Mathematics and Statistics", Margham Publications, Chennai, 2020.
5. Derek Rowntree, "Statistics without Tears: An Introduction to Non-Mathematicians", Penguin, UK, 2018.
6. David M. Levine, "Business Statistics", 7<sup>th</sup> Edition, Pearson Education, New Delhi 2017.
7. Sharma J.K, "Business statistics: Problems and Solutions". Vikas Publishing House, New Delhi, 2012.

#### **Journals**

1. <https://www.tandfonline.com/toc/cjas20/current>
2. <https://www.springer.com/journal/362>
3. [https://serialsjournals.com/index.php?route=product/product&product\\_id=452](https://serialsjournals.com/index.php?route=product/product&product_id=452)
4. <http://stmjournals.com/Journal-of-Statistics.html>
5. <https://www.hindawi.com/journals/jps/>

#### **Web resources**

1. <https://www.economics.utoronto.ca/jfloyd/stats/ecstats.pdf>
2. <https://www.oreilly.com/library/view/business-statistics-second/9789332503434/>
3. <https://edge.sagepub.com/gau3e/student-resources-0>
4. <https://online.stat.psu.edu/statprogram/courses/requirements>
5. [www.tutor2u.com](http://www.tutor2u.com)
6. [www.khanacademy.com](http://www.khanacademy.com)
7. <https://2012books.lardbucket.org/pdfs/beginning-statistics.pdf>



**Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes**

Sem.	Course Code	Title of the Course									Hours	Credit
I	E121	STATISTICS FOR ECONOMICS									5	5
	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	3	1	2	2	2	2	1	3	2	2	2	
CO2	3	3	2	2	2	2	3	2	2	2	2.3	
CO3	2	3	2	2	3	2	3	2	2	3	2.4	
CO4	2	2	1	2	2	3	3	2	2	2	2.1	
CO5	3	2	2	2	3	2	3	2	2	3	2.4	
Mean Overall Score											2.3	
Result											High	

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

**Assessment Pattern**

Bloom's Category	CA Tests (Marks Allotment)		Term End Exam (100) Marks Allotment
	I CA (50)	II CA (50)	
Remember	10	10	20
Understand	10	10	30
Apply	10	10	10
Analyze	10	10	10
Evaluate	5	5	10
Create	5	5	20

Semester	Course Code	Title of the Course	Hours	Credits
<b>II</b>	<b>E218</b>	<b>MICRO ECONOMICS – I</b>	<b>5</b>	<b>5</b>

**Course Objectives:**

1. To gain knowledge about the fundamentals of micro economics.
2. To learn the traditional method of demand analysis
3. To understand modern method of demand analysis
4. To learn the production function and its related laws.
5. To know the various concepts of costs and revenues.

**Course Outcomes:**

After the successful completion of the course, the student will be

S. No.	CO- Statement	Cognitive Level (K-Level)
CO – 1	Understanding the fundamental division of micro economics.	K1, K2
CO – 2	Comparing traditional theories of consumer behaviour with demand analysis.	K3, K4
CO – 3	Analysing modern theories of consumer behavior with demand analysis.	K3, K4
CO – 4	Evaluating production functions and its application.	K4, K5
CO – 5	Appraising traditional and modern theories of costs and Revenues.	K5, K6

**Unit - I: Definition and Scope of Economics**

**(15 Hours)**

Definition ( Lionel Robbins) and Scope of micro economics – Difference between Micro and Macro Analysis – Inductive and Deductive Methods – Positive and Normative economics – Static and Dynamic economics.

**Unit - II: Cardinal Utility Analysis**

**(15 Hours)**

Meaning of Demand and supply – Equilibrium – Law of Demand – Utility Analysis - Law of Diminishing Marginal Utility – Law of Equi-marginal Utility – Derivation of demand curves – Shortcomings of Utility analysis – Elasticity of demand – Price, Income, Cross Elasticity of demand.

**Unit - III: Ordinal Utility Analysis**

**(15 Hours)**

Indifference Curve – Assumptions of Indifference Curve Analysis – Properties of Indifference Curves – Marginal Rate of Substitution – Price Line – Equilibrium – Price effect – Income Effect – Substitution Effect – Consumer surplus.

**Unit - IV: Production**

**(15 Hours)** Production Function –

The law of variable proportions – Laws of Return to Scale – Cobb Douglas -Iso-cost and Iso-quant –  
Producer's Equilibrium – Internal and External economies of Scale – Types.

## Unit - V: Costs and Revenue Functions

(15 Hours)

Money costs and Real Costs – Opportunity cost and Social cost – Short run and long run cost curves – Revenue curves – Derivation of Revenue curves.

### Text Books

1. A. Koutsoyiannis, 'Modern Microeconomics' 2<sup>nd</sup> Edition, Macmillan Publications. 2008
2. Hal. R. Varian, 'Intermediate Microeconomics – A Modern Approach', 8<sup>th</sup> Edition, W. W. Norton & Company Publications, USA. 2010.  
Unit 1 – Chapter 1&2, Page: 3 – 38, H.L. Ahuja, 'Advanced Economic Theory – Microeconomic Analysis' S. Chand & Company Ltd. New Delhi. 2019.  
Unit 2 – Chapter 2, Page: 23, Agarwala. S. K, Principles of Economics, 2<sup>nd</sup> Edition, Excel Books, New Delhi. 2010.  
Unit 3 – Chapter 11, Page: 235 - H.L. Ahuja, 'Advanced Economic Theory – Microeconomic Analysis' S. Chand & Company Ltd. New Delhi.  
Unit 4 – Chapter 16, Page: 328 - H.L. Ahuja, 'Advanced Economic Theory – Microeconomic Analysis' S. Chand & Company Ltd. New Delhi.  
Unit 5 - Chapter 20, Geoffrey A. Jehle and Philip J Reny, Advanced Microeconomic Theory, 3<sup>rd</sup> Edition, Prentice Hall University Press.

### Books for References

1. Ahuja H.L, Advanced Economic Theory, Micro and Macro Analysis, S.Chand, New Delhi, 2017.
2. Samuelson P.A 'Economics' -TATA McGraw Hill – New Delhi-1985.
3. Stonier A.W & Huge D.C, A text book of Economic Theory', Longmans Green London, 1980.
4. Bell and Todaro M.P 'Economic Theory'- Mac Millan, London, 1980.
5. William J.Baumol 'Economic Theory and Operations Analysis', Practice Hall, London, 1961.
6. Gregory Mankiw 'Principles of Economics'- Thomson Australia, 1998.
7. Jhingan.M.L 'Micro Economic Theory'-Vrinda, New Delhi, 2017.

### Journals

1. Stefan Napel, Advanced Microeconomics – I, Universitat Bayreuth.
2. Emmanuel Ifeanyi, National Open University of Nigeria (NOUN),
3. The Quarterly Journal of Economics, Oxford University Press.
4. Econometrica, Econometric Society.
5. Review of Economic Studies, Oxford University Press.

### Web Resources

1. [https://www.academia.edu/38262502/A\\_koutsoyiannis\\_Modern\\_Microeconomics\\_Second\\_Edition](https://www.academia.edu/38262502/A_koutsoyiannis_Modern_Microeconomics_Second_Edition)

2. <https://zalamsyah.staff.unja.ac.id/wp-content/uploads/sites/286/2019/11/1-Advanced-Microeconomic-theory-3rd-Ed.-JEHLE-RENY.pdf>.
3. <https://open.umn.edu/opentextbooks/textbooks/193>
4. <https://faculty.ksu.edu.sa/sites/default/files/microeco-varian.pdf>
5. [https://scholar.google.co.in/scholar?q=microeconomics+theory+and+applications+pdf&hl=en&as\\_sdt=0&as\\_vis=1&oi=scholar](https://scholar.google.co.in/scholar?q=microeconomics+theory+and+applications+pdf&hl=en&as_sdt=0&as_vis=1&oi=scholar)

**Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes**

Sem.	Course Code	Title of the Course									Hours	Credit
II	E218	MACRO ECONOMICS - I									5	5
	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	2	2	2	1	2	2	2	2	2	2	1.9	
CO2	2	2	2	2	2	3	2	2	2	3	2.2	
CO3	2	2	2	1	2	2	3	2	2	2	2	
CO4	2	2	2	2	3	2	2	2	3	2	2.2	
CO5	2	2	2	2	3	2	2	2	2	3	2.2	
Mean Overall Score											2.1	
Result											High	

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

**Assessment Pattern**

Bloom's Category	CA Tests (Marks Allotment)		Term End Exam (100) Marks Allotment
	I CA (50)	II CA (50)	
Remember	10	10	20
Understand	10	10	30
Apply	10	10	10
Analyze	10	10	10
Evaluate	5	5	10
Create	5	5	20

Semester	Course Code	Title of the Course	Hours	Credits
II	E219	Mathematics for Economics	5	5

**Course Objectives:**

1. To give knowledge and understanding of mathematical concepts in terms of set theory.
2. To make the students to learn matrices and its different components.
3. To apply differentiation concepts with that of various economic theories.
4. To offer a platform for measuring skills in terms of lines and curves.
5. To provide mathematical techniques in derivation of various functions in economic concepts.

**Course Outcomes:**

After the successful completion of the course, the student will be

S. No.	CO – Statements	Cognitive Level (K-Level)
CO – 1	Understanding set theory and its applications.	K1, K2
CO – 2	Applying matrix methods in different economic theories.	K2, K3
CO – 3	Expertizing the application of differentiation to diverse economic functions.	K3, K4
CO – 4	Constructing and measuring through graphical solutions.	K4, K5
CO – 5	Integrating economic theories with mathematical applications.	K5, K6

**Unit - I: Set Theory**

**(15 Hours)**

Definition - description - types– operations – laws - Venn diagram - Number of elements of a set, Cartesian product.

**Unit - II: Matrix**

**(15 Hours)**

Definition, types of matrices, addition and subtraction, matrix multiplication, transpose of a matrix, determinant of a matrix, inverse of matrix, Cramer’s rule for solving simultaneous equations.

**Unit – III: Differentiation**

**(15 Hours)**

Concept of differentiation, rules of differentiation, differentiation of an implicit function, successive differentiation and partial differentiation.

**Unit - IV: Functions and curves****(15 Hours)**

Positive and negative quadrants, distance formula, straight line, its slope and equations. Circle and equation of a circle. Demand function and curve.

**Unit - V: Derivation****(15 Hours)**

Cost functions and curves, Revenue Functions: Total - Average - Marginal. Profit functions.

**Text Books**

1. Edward T. Dowling, Mathematical Methods (Schaum's Series), McGraw Hill Publications, New Delhi, 2003.
2. Madnani G.M.K., and Mehta B.C., Mathematics for Economists, Sultan Chand & Sons, 9<sup>th</sup> Edition, 2008.

Unit 1 – Chapter 19 - Madnani G.M.K., and Mehta B.C., Mathematics for Economists, Sultan Chand & Sons, 9<sup>th</sup> Edition, 2008.

Unit 2 – Chapter 10, 11 & 12 - Edward T. Dowling, Mathematical Methods (Schaum's Series), McGraw Hill Publications, New Delhi, 2003.

Unit 3 – Chapter 9 - Edward T. Dowling, Mathematical Methods (Schaum's Series), McGraw Hill Publications, New Delhi, 2003.

Unit 4 – Chapter 2 - Madnani G.M.K., and Mehta B.C., Mathematics for Economists, Sultan Chand & Sons, 9<sup>th</sup> Edition, 2008.

Unit 5 - Chapter 3 & 4 - Edward T. Dowling, Mathematical Methods (Schaum's Series), McGraw Hill Publications, New Delhi, 2003.

**Books for References**

1. Vittal P.R, Business Mathematics and Statistics, Margham Publications, Chennai, 2017.
2. Chiang. A.C, Fundamentals methods of Mathematical Economics, McGraw Hill Publications, New Delhi, 2002.
3. Agarwal C.S and Joshi R.C, Mathematics for students of Economics, New Academic Publications, 2008.
4. Kam Yu, Mathematical Economics: Prelude to the Neoclassical Model, Springer Publications, New Delhi, 2020.
5. Lokesh Boro, Mathematical Economics, Bidya Bhawan Publishers private Ltd, India, 2019.
6. Jain T.R, Majhi B.D, Mathematical Methods for Economics, VK Global Publications Pvt, Ltd, India, 2020.
7. Bose D, An Introduction to Mathematical Economics, Himalaya Publishing House, New Delhi, 2018.

**Journals**



1. Journal of Mathematical Economics, Elsevier.
2. Mathematics and Financial Economics, Springer.
3. Mathematical Economics: Application of Fractional Calculus, MDPI
4. International Journal of Game Theory, Springer.
5. Journal for Quantitative Economics, Springer.

#### **Web Resources**

1. <https://www.economicsnetwork.ac.uk/teaching>
2. <http://www.math.uni-magdeburg.de>
3. <http://www.parisschoolofeconomics.com>
4. <https://mjo.osborne.economics.utoronto.ca>
5. <https://www.haverford.edu/mathematical-economics>
6. <https://www.classcentral.com/course/swayam-mathematical-economics-14187>

**Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes**

Sem.	Course Code	Title of the Course									Hours	Credit
II	E219	MATHEMATICS FOR ECONOMISTS									5	5
	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	3	2	2	2	2	2	2	1	2	2	2	
CO2	3	2	1	2	3	2	2	2	2	3	2.2	
CO3	3	2	2	1	2	3	2	2	2	2	2.1	
CO4	3	2	2	2	2	2	3	2	2	2	2.2	
CO5	3	2	2	2	3	2	3	2	2	3	2.4	
Mean Overall Score											2.18	
Result											High	

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

**Assessment Pattern**

Bloom's Category	CA Tests (Marks Allotment)		Term End Exam (100) Marks Allotment
	I CA (50)	II CA (50)	
Remember	10	10	20
Understand	10	10	30
Apply	10	10	10
Analyze	10	10	10
Evaluate	5	5	10
Create	5	5	20

## B.Com (Commerce) Allied Subject

Semester	Course Code	Title of the Course	Hours	Credits
I	AE106	PRINCIPLES OF ECONOMICS - I	6	4

### Course Objectives:

1. To introduce basic economics concepts.
2. To gain basic knowledge of the operation of the business economics
3. To understand the theory of consumer's behaviour in business.
4. To explore the theory of producer's behaviour in business strategies.
5. To imparting knowledge about market structures.

### Course Outcomes:

After the successful completion of the course, the student will be

S. No.	CO- Statement	Cognitive Level (K-Level)
CO-1	Gaining knowledge of the basic economic principles.	K1, K2
CO-2	Applying traditional utility analysis in business.	K2, K3
CO-3	Analysing consumer behaviour in modern business situations.	K3, K4
CO-4	Appraising producer behaviour in modern business.	K4, K5
CO-5	Evaluating the role of time and competitions in market.	K5, K6

### Unit – I: Nature and Scope of Economics

(18 Hours)

Economics: Definitions, Nature and Scope – Central Problems of Economy – Divisions of Economics – Production Possibility Curve (PPC) and Allocation of Economic Resources – Difference between Micro and Macro Economics.

### Unit – II: Utility and Demand Analysis

(18 Hours)

Utility – Cardinal and Ordinal Utility – Total Utility and Marginal Utility – Law of Diminishing Marginal Utility – Consumer's Surplus – Demand; Meaning, Definition, Types – Factor affecting demand – Law of Demand – Elasticity of Demand: Types.

**Unit – III: Consumer Behaviour****(18 Hours)**

Indifference Curve: Definition – Indifference Scheduled and Curve – Characteristics – Budget Line – Consumer’s Equilibrium and its Conditions.

**Unit – IV: Producer Behaviour****(18 Hours)**

Production – Production Function: Factors of Production: Land, Labour and Capital and its Characteristics – Organization: Functions of Entrepreneur – Law of Variable Proportion – Law of Returns of Scale – Producer’s Equilibrium – Cost and Revenue Analysis.

**Unit – V: Market Structure****(18 Hours)**

Market: Meaning – Classification – Market Equilibrium – Importance of Time Element in Price determination – Meaning and its Features: Perfect Competition — Imperfect Competition: Monopoly, Monopolistic Competition, Oligopoly and Duopoly.

**Text Books**

1. Ahuja. H.L, “Business Economics”, Sulthan Chand & Co, New Delhi, 2005.
2. Aryamala. T, “Business Economics”, Vijay Nicole Imprints Pvt. Ltd., Chennai, 2014

Unit – 1 - Chapter 1 – p1-53 .

Unit – 2 - Chapter 2 – p55-81; Chapter 7 – p125-144.

Unit – 3 - Chapter 8 – p145-165.

Unit – 4 - Chapter 9, 10 – p167-229.

Unit – 5 - Chapter 11 – p231-243.

**Books for References**

1. Nelli and Parker, “The Essence of Business Economics”, Partia Hall, New Delhi, 2005.
2. Ferguson.P.R, Rothschild.R., and Ferguson.G.J., “Business Economics”, Mac Millan Hampshive, 2003.
3. Cauvery.R, “Business Economics”, Sterling Publishers Pvt.ltd, New Delhi, 2003.
4. Principles of Economics, Gregory N Mankiw, 6e Cengage Learning India Private Limited, New Delhi, 2015.
5. Karl E. Case and Ray C. Fair, Principles of Economics, 8th Edition, Pearson, Education Inc. 2007.
6. Pindyck, Robert and Daniel Rubinfeld, Microeconomics, 9th Edition, Pearson Education Inc, 2018.
7. Serkan Gürlük, Fundamental of Economics, Dora Publishing – Turkey, 2019.

## **Journals**

1. Journal of Economic Education
2. American Economic Journal
3. Micro-Economics-Journals
4. American Economic Journal: Microeconomics
5. Microeconomics and Macroeconomics

## **Web Sources:**

1. <https://www.pfw.edu/dotAsset/142427.pdf>
2. [https://edurev.in/studytube/Introduction--Part-1--Nature--Scope-of-Business-Ec/87a7555c-6be6-4983-bb57-01ba7775a9e9\\_t](https://edurev.in/studytube/Introduction--Part-1--Nature--Scope-of-Business-Ec/87a7555c-6be6-4983-bb57-01ba7775a9e9_t)
3. <https://www.economicscafe.com.sg/economics-lecture-notes-chapter-2/>
4. <https://www.studocu.com/row/document/university-of-nairobi/commerce/consumer-behaviour-lecture-notes-1-10/4683452>
5. <https://www.thinkib.net/economics/page/20113/unit-24-consumer-and-producer-behaviour-hl-only>
6. [https://scholar.cu.edu.eg/?q=mahmoudarafa/files/l.3\\_market\\_structures\\_and\\_price.pdf](https://scholar.cu.edu.eg/?q=mahmoudarafa/files/l.3_market_structures_and_price.pdf)

**Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes**

Semester	Course Code	Title of the Course									Hours	Credit
I	AE106	PRINCIPLES OF ECONOMICS - I									6	4
	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	2	3	2	2	2	3	2	2	2	1	2.1	
CO2	2	2	2	2	1	2	3	2	2	2	2	
CO3	2	2	2	2	2	3	2	2	2	2	2.1	
CO4	2	2	2	2	2	2	3	2	2	2	2.1	
CO5	2	2	3	2	2	2	2	3	2	2	2.2	
Mean Overall Score											2.1	
Result											High	

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

**Assessment Pattern**

Bloom's Category	CA Tests (Marks Allotment)		Term End Exam (100) Marks Allotment
	I CA (50)	II CA (50)	
Remember	10	10	20
Understand	10	10	30
Apply	10	10	10
Analyze	10	10	10
Evaluate	5	5	10
Create	5	5	20

## B.Com (Commerce) Allied Subject

Semester	Course Code	Title of the Course	Hours	Credits
II	AE206	PRINCIPLES OF ECONOMICS - II	6	4

### Course Objectives:

S. No.	Course Objectives
1	To understand demand forecasting methods.
2	To study national income concepts.
3	To laying down the foundation of theory of public finance
4	To acquire knowledge on monetary policies and Indian economic system in India.
5	To explore about the Indian economic issues on sectors in Indian economy.

### Course Outcomes:

By the end of this course, students will be:

S. No.	CO- Statement	Cognitive Level (K-Level)
CO-1	Acquiring knowledge in demand forecasting for Business solutions.	K1, K2
CO-2	Enabling to understand macro economic variables.	K2
CO-3	Exploring the financial system of Indian economy.	K3, K4
CO-4	Enable the Students to get familiarity on the reforms in banking industry in India.	K2
CO-5	Evaluation of sectoral relationship of the various sectors in Indian Economy.	K4, K6

### Unit – I: Demand Forecasting

(18 Hours)

Meaning – Steps involved in Demand Forecasting – Characteristics and Importance of Demand Forecasting – Methods of Demand Forecasting; Survey Method, Consumer Survey Method – Sales Force Opinion Method – Expert Opinion Method – Statistical Methods.

**Unit – II: National Income, Inflation and Business Cycle****(18 Hours)**

Meaning – definition – Related concepts – Measurement of national income. Inflation: definitions – classifications – types – causes – controlling measures. Business Cycle: definitions – phases – Causes - controlling measures.

**Unit – III: Public Finance****(18 Hours)**

Fiscal Policy: Objectives – Public Finance and its Components – Public Revenue – Public Expenditure – Public Debt – Fiscal Sector Reforms in India – Causes for increasing deficit at the Central and State levels – Budget: Types.

**Unit – IV: Monetary Economics****(18 Hours)**

Money: Definitions and its Functions – structure of banking system RBI and its Functions - Monetary Policy: Objectives – Commercial Banks: Meaning – Functions – Credit Creation – Nationalization of Banks – Performance of Public Sector Banks in India.

**Unit – V: Indian Economic Issues****(18 Hours)**

Sectors in Indian Economy: Primary, Secondary and Service Sectors. Poverty- Unemployment - The Economic and Social Inequality - The Regional Imbalances – Foreign Direct Investment (FDI) in India.

**Text Book:**

1. Aryamala. T, Business Economics, Vijay Nicole Imprints Pvt. Ltd., Chennai, 2014  
Unit – 1 - Chapter 5 – p95-107.  
Unit – 2 - Chapter 16 – p303-351.
2. Ahuja.H.L, Macro Economics; Theory and Policy, Sulthan Chand & Co, New Delhi, 2005.  
Unit – 3 - Chapter 30 – p449-474.  
Unit – 4 - Chapter 13,14,15,16 – p197-252.
3. Datt & Sundharam, Indian Economy, S Chand & Co, New Delhi,  
Unit – 5 - Chapter 5 – Part II All Chapters.

**References:**

1. Ahuja.H.L, “Business Economics”, Sulthan Chand & Co, New Delhi, 2005.
2. Nelli and Parker, “The Essence of Business Economics”, Partia Hall, New Delhi, 2005.



3. Ferguson.P.R, Rothschild.R., and Ferguson.G.J., "Business Economics", Mac Millan Hampshive, 2003.
4. Cauvery.R, "Business Economics", Sterling Publishers Pvt.ltd, New Delhi, 2003.
5. Dwivedi D. N., Macroeconomics: Theory and Policy,5th Edition, 2018.
6. Jordi Galí, Monetary Policy, Inflation, and the Business Cycle: An Introduction to the New Keynesian Framework and Its Applications - Second Edition, 2015
7. Stephen Williamson, Macroeconomics (The Pearson Series in Economics), 2017

**Journals:**

1. <https://www.hilarispublisher.com/scholarly/micro-economics-journals-articles-ppts-list-1673.html>
2. <https://www.omicsonline.org/micro-economics-top-open-access-journals.php>
3. <https://www.cambridge.org/core/journals/macroeconomic-dynamics>
4. <https://www.sciencedirect.com/journal/journal-of-monetary-economics>
5. <https://journals.sagepub.com/home/smp>

**Web Sources:**

1. <https://www.vedantu.com/commerce/demand-forecasting>
2. <http://irelandp.com/ec132/notes/notes2010f.pdf>
3. <https://www.karlwhelan.com/Macro2/Whelan-Lecture-Notes.pdf>
4. [http://publication.aercafricalibrary.org/bitstream/handle/123456789/608/CMAP%20MONETARY%20ECONOMICS\\_SEMESTER%201\\_2020.pdf?sequence=1&isAllowed=y](http://publication.aercafricalibrary.org/bitstream/handle/123456789/608/CMAP%20MONETARY%20ECONOMICS_SEMESTER%201_2020.pdf?sequence=1&isAllowed=y)
5. [http://bibliotheque.pssfp.net/livres/MONETARY\\_ECONOMICS.pdf](http://bibliotheque.pssfp.net/livres/MONETARY_ECONOMICS.pdf)

**Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes**

Semester	Course Code	Title of the Course									Hours	Credit
II	AE206	PRINCIPLES OF ECONOMICS - II									6	4
		Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs
		PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1		3	2	2	2	2	3	2	2	2	2	2.2
CO2		3	2	2	1	2	2	2	2	2	2	2
CO3		2	2	2	2	2	2	2	3	2	2	2.1
CO4		2	2	2	2	2	2	2	3	2	2	2.1
CO5		2	3	2	2	2	2	2	2	2	2	2.1
Mean Overall Score											2.1	

<b>Result</b>	<b>High</b>
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**High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)**

**Assessment Pattern**

<b>Bloom's Category</b>	<b>CA Tests (Marks Allotment)</b>		<b>Term End Exam (100) Marks Allotment</b>
	<b>I CA (50)</b>	<b>II CA (50)</b>	
<b>Remember</b>	10	10	20
<b>Understand</b>	10	10	30
<b>Apply</b>	10	10	10
<b>Analyze</b>	10	10	10
<b>Evaluate</b>	5	5	10
<b>Create</b>	5	5	20

Semester	Course Code	Title of the Course	Hours	Credits
III	E317	Micro Economics – II	5	5

**Course Objectives:**

1. To teach concepts of Perfect competition and its features.
2. To learn imperfect competition and its price and output determination.
3. To understand the theory of distribution and rent theory.
4. To know the concept of wage and its determination.
5. To understand the concept and theories of interest and profit.

**Course Outcomes:**

**After the successful completion of the course, the student will be;**

Sl. No.	CO – Statements	Cognitive Level
CO – 1	Knowing the market behavior under perfect competition.	K1, K2
CO – 2	Understanding the market behavior under imperfect market.	K2, K3
CO – 3	Familiarizing the knowledge of traditional and modern theories of Rent.	K3, K4
CO – 4	Becoming a capable in the estimation of wage determination.	K4, K5
CO – 5	Applying the theories of Interest and profit.	K5, K6

**Unit I: Perfect Competition**

**(15 Hours)**

Features - Equilibrium of firm and industry-Perfect vs Pure Competition-Pricing under Perfect Competition under Short run and Long run -Importance of time element in price theory.

**Unit II: Imperfect Competition**

**(15 Hours)**

Monopoly: Features - Price and output determination – Price Discrimination – Monopolistic Competition: Features - Price and output determination - Group equilibrium – Excess Capacity. Oligopoly: Features - Cournot Model, Kinked Demand – Collusive and Non Collusive.

**Unit III: Theory of Distribution: Rent**

**(15 Hours)**

Ricardian theory of rent - Criticisms - Modern theory of Rent - Rent and Price: - Quasi rent

**Unit IV: Theory of Distribution: Wages**

**(15 Hours)**

Functional and Personal distribution – Factor pricing and Product pricing – Marginal productivity theory of distribution – Criticisms-Money wages and real wages – Theories of Wages: Adam Smith, JS Mill - Trade Unions and Collective Bargaining.

**Unit V: Theory of Distribution: Interest and Profit****(15 Hours)**

Gross and Net Interest-variations in interest rates-Classical theory of interest – Loanable fund theory. Keynes Liquidity preference theory.

Gross Profit and Net profit -theories of profit - Dynamic profit - Risk theory of profit-Uncertainty bearing theory.

**Text Books**

1. Ahuja H.L, Advanced Economic Theory, Micro and Macro Analysis, S.Chand, New Delhi, 2019.

Ahuja H.L, Advanced Economic Theory, Micro and Macro Analysis, S.Chand, New Delhi, 2019.

Unit - I: Chapter 1 & 2, Page: 3 – 38.

Unit – II: Chapter 6 & 7, Page: 137 – 183

Unit – III: Chapter 10 & 11, Page: 235 – 286

Unit – IV: Chapter 16, 17 & 18, Page: 328 – 378

Unit – V: Chapter 20 & 21, Page: 394 - 450

**Books for References**

3. A. Koutsoyiannis, ‘Modern Microeconomics’ 2<sup>nd</sup> Edition, Macmillan Publications. 2008
4. Hal. R. Varian, ‘Intermediate Microeconomics – A Modern Approach’, 8<sup>th</sup> Edition, W. W. Norton & Company Publications, USA. 2010.
5. Samuelson P.A ‘Economics’ -TATA McGraw Hill – New Delhi-1985.
6. Stonier A.W & Hume D.C, A text book of Economic Theory’, Longmans Green London, 1980.
7. Bell and Todaro M.P ‘Economic Theory’- Mac Millan, London, 1980.
8. William J.Baumol ‘Economic Theory and Operations Analysis’, Practice Hall, London, 1961.
9. Gregory Mankiw ‘Principles of Economics’- Thomson Australia, 1998.
10. Jhingan.M.L ‘Micro Economic Theory’-Vrinda, New Delhi, 2017.

**Journals for Reference**

6. Stefan Napel, Advanced Microeconomics – I, Universitat Bayreuth.
7. American Economic Journal: Microeconomics
8. Journal of Economics: Springer
9. Journal of political economy: Microeconomics
10. Journal of Economic Perspectives
11. Journal of Applied Economics
12. Journal of Economics & Development Studies
13. The Quarterly Journal of Economics, Oxford University Press.
14. Econometrica, Econometric Society.

15. Review of Economic Studies, Oxford University Press.

**Web Resources**

6. [https://www.academia.edu/38262502/A\\_koutsoyiannis\\_Modern\\_Microeconomics\\_Second\\_Edition](https://www.academia.edu/38262502/A_koutsoyiannis_Modern_Microeconomics_Second_Edition)
7. <https://zalamsyah.staff.unja.ac.id/wp-content/uploads/sites/286/2019/11/1-Advanced-Microeconomic-theory-3rd-Ed.-JEHLE-RENY.pdf>.
8. <https://open.umn.edu/opentextbooks/textbooks/193>
9. <https://faculty.ksu.edu.sa/sites/default/files/microeco-varian.pdf>
10. [https://scholar.google.co.in/scholar?q=microeconomics+theory+and+applications+pdf&hl=en&as\\_sdt=0&as\\_vis=1&oi=scholar](https://scholar.google.co.in/scholar?q=microeconomics+theory+and+applications+pdf&hl=en&as_sdt=0&as_vis=1&oi=scholar)

**Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes**

Sem.	Course Code	Title of the Course									Hours	Credit
III	E317	MICRO ECONOMICS - II									5	5
	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	3	2	2	1	2	2	3	2	2	2	2.1	
CO2	3	2	2	1	2	3	2	2	1	2	2	
CO3	3	2	2	2	2	3	2	2	2	2	2.2	
CO4	2	3	2	2	2	2	3	2	2	2	2.2	
CO5	2	3	2	2	2	2	2	2	2	2	2.1	
Mean Overall Score											2.12	
Result											High	

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

**Assessment Pattern**

Bloom's Category	CA Tests (Marks Allotment)		Term End Exam (100) Marks Allotment
	I CA (50)	II CA (50)	
Remember	10	10	20
Understand	10	10	30
Apply	10	10	10
Analyze	10	10	10
Evaluate	5	5	10
Create	5	5	20

Semester	Course Code	Title of the course	Hours	Credits
III	E318	Macro Economics – I	5	5

### Course Objectives

1. To study the basic macroeconomic concepts and national income.
2. To understand the theories of employment.
3. To learn the concept of consumption function.
4. To know the theories of consumption function.
5. To study the theories of investment function.

### Course Outcomes:

After successful completion of the course, the student will be able to

S. No	CO-Statement	Cognitive Level (K-Level)
1	Understanding the basics of national income accounting	K1, K2
2	Familiarizing with the theories of employment..	K2, K3
3	Enabling the concepts of consumption function.	K3,K4
4	Equipping them with theories of consumption function.	K4,K5
5	Applying the theories of investment function.	K5,K6

### Unit – I: Introduction to Macro Economics and National Income (15 Hours)

Definition – Nature and Scope of Macro Economics – Significance and Limitations – Macro Variables: stock and flow variables - National Income: Meaning – Definitions – Different concepts – Methods of Measurement – Difficulties in national income estimation – Circular Flow of income (Four sectors models).

### Unit – II: Theory of Employment (15 Hours)

Concept of employment - Say's Law of Market - Classical theory of employment: Features - Keynesian theory of employment: Determination of effective demand – Comparison and contrast between Classical and Keynes contribution.

**Unit – III: Consumption Function****(15 Hours)**

Factors affecting consumption - Keynes Psychological law of consumption - Relationship between Average and Marginal Propensity to Consume.

**Unit – IV: Theories of Consumption Function****(15 Hours)**

Absolute Income Hypothesis of Keynes - Relative Income Hypothesis of J.S. Duesenberry - Permanent Income Hypothesis of Milton Friedman - Life cycle Hypothesis of Ando and Modigliani.

**Unit – V: Investment Function****(15 Hours)**

Types of investments - Marginal efficiency of capital (MEC) and Marginal Efficiency of Investment (MEI) - Determinants - Multiplier: Investment multiplier - Accelerator – Interaction between multiplier and accelerator– Super multiplier.

**Text Book:**

1. Ahuja H.L Macro Economic Theory and Policy: Advanced Analysis, S. Chand Publications, New Delhi-2006.  
Unit I – Chapter 1 & 2, PP 3 – 35  
  
Unit II – Chapter 3 & 4, PP 36 – 66  
  
Unit III – Chapter 6, PP 102 - 119  
  
Unit IV – Chapter 7, PP 120 – 131
2. Jhingan M.L and Jhingan B.K, Macro Economic Theory, Vrinda Publications, Delhi – 2019.  
Unit V – Chapter 2, PP 91 - 100

**References:**

1. Wendy Carlin & David Soskice, "Macroeconomics", Oxford University Press, New Delhi, 2010.
2. Deepashree & Vanita Agarwal, "Macroeconomics", Ane Books Pvt. Ltd, New Delhi. 2017.
3. Ahuja H.L., "Macro Economic Analysis", Chand S., Publications, New Delhi, 2010.
4. Edward Shapiro, "Macro Economic Analysis", Galgotia, New Delhi. 2013.

**Journals:**

1. American Economic Journal: Macroeconomics
2. South Asian Journal of Macroeconomics and Public finance
3. Macroeconomic Dynamics, Cambridge Core
4. The B.E. Journal of Macroeconomics
5. Journal of Political Economy Macroeconomics



6. Journal of Macroeconomics, Elsevier
7. Journal of Macroeconomics, SCIMAGO
8. Journal of Macroeconomics, Scholars Portal

Web Resources:

1. <https://durhamtech.libguides.com/macroeconomics/web>
2. [Exploring Macroeconomics | Online Resources \(sagepub.com\)](#)
3. [Macroeconomics | Economics | Khan Academy](#)
4. [Oxford University Press | Online Resource Centre | Introduction to Macroeconomics \(oup.com\)](#)
5. [60+ Macroeconomics Courses & Certifications \[2023\] | Learn Online for Free | Class Central](#)
6. [Macroeconomics | Definition | Finance Strategists](#)
7. [Principles of Macroeconomics 2e - OpenStax](#)

**Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes**

Sem.	Course Code	Title of the Course									Hours	Credit
III	E318	MACRO ECONOMICS - I									5	5
	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	3	2	2	1	2	3	2	2	2	2	2.1	
CO2	3	2	2	2	2	3	2	2	2	2	2.2	
CO3	3	2	2	2	2	2	2	2	2	2	2.1	
CO4	3	3	2	1	2	2	2	2	2	2	2.1	
CO5	2	2	2	2	2	3	2	2	2	2	2.1	
Mean Overall Score											2.12	
Result											High	

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

**Assessment Pattern**

Bloom's Category	CA Tests (Marks Allotment)		Term End Exam (100) Marks Allotment
	I CA (50)	II CA (50)	
Remember	10	10	20
Understand	10	10	30
Apply	10	10	10
Analyze	10	10	10
Evaluate	5	5	10
Create	5	5	20

Semester	Course Code	Title of the course	Hours	Credits
IV	E419	Macro Economics – II	5	5

### Course Objectives

1. To study the working of IS-LM.
2. To learn the concepts and theories of inflation and deflation.
3. To understand the theories of trade cycle.
4. To study various economic growth models.
5. To know the monetary and fiscal policy.

### Course Outcomes:

After successful completion of the course, the student will be able to

S. No	CO-Statement	Cognitive Level (K-Level)
1	Understanding the general equilibrium analysis.	K1, K2
2	Examining the theories of inflation and deflation	K2, K3
3	Assessing the theories of trade cycle.	K3,K4
4	Familiarizing with growth theories.	K4,K5
5	Gaining an overview of monetary and fiscal policies	K5,K6

### Unit - I: IS-LM Models

(15 Hours)

Derivation of IS curve and LM curve - General Equilibrium in Macro Economics: Fiscal and Monetary Changes and effects – The crowding in and crowding out effect - The four Sector IS-LM Model – The IS-LM Model with the Balance of Payment Function.

### Unit - II: Inflation and Deflation

(15 Hours)

Types and Causes – Methods of measuring Inflation – Economic Effects of Inflation - Measures to control Inflation - Anti-inflation Policy – Deflation and its Effects – The difference between inflationary and deflationary gap - Phillip’s Curve – Rational Expectation Hypothesis

### Unit - III: Trade Cycle

(15 Hours)

Characteristics – Phases – Effects – Theories of Hicks, Hawtrey, Schumpeter, Keynes – Policy Measures to control Trade Cycle

**Unit - IV: Growth Models in Macro Economics**

**(15 Hours)**

Significance – Uses – Limitations– Tests - Neo Classical Models: Solow and Meade – Balanced and Unbalanced Models – Static and Dynamic models in Macro Economics

**Unit - V: Macro Economic Policy**

**(15 Hours)**

Monetary policy and Fiscal policy– Objectives – Instruments–Conflicting in Macro Economic goals – Present Macro Economic Scenario in India.

**Text Book:**

1. Ahuja H.L Macro Economic Theory and Policy: Advanced Analysis, S. Chand Publications, New Delhi-2006.  
Unit I – Chapter 24, PP 409 – 424  
  
Unit III – Chapter 27, PP 467 - 487
2. Jhingan M.L and Jhingan B.K, Macro Economic Theory, Vrinda Publications, Delhi – 2019.  
Unit II – Chapter 37, PP 295 – 328  
  
Unit IV – Chapter 40 to 45, PP 361 – 385  
  
Unit V – Chapter 46, PP 389 - 403

**References:**

1. Misra.S.K and V.K.Puri, Economics of Development and Planning. Mumbai, Himalaya Publishing House, 2006.
2. Ahuja H.L. “Macro Economic Analysis” Chand and Sons Publications, New Delhi, 2010.
3. Dwivedi D.N., Macro Economic Theory and Policy, Tata McGraw – Hill Publishing Company Ltd, New Delhi, 2005.
4. Seth M.L., Macro Economics, Lakshmi Narayan Agarwal Educational Publishers, Agra, 2017.
5. Jhingan M. L., Macro Economic Theory, Twelfth Edition, Vrinda Publications, Pvt., Ltd. Delhi, 2017.
6. Edward Shapiro, “Macro Economic Analysis”, Galgotia, New Delhi. 2013.

**Journals:**

1. American Economic Journal: Macroeconomics
2. South Asian Journal of Macroeconomics and Public finance

3. Macroeconomic Dynamics, Cambridge Core
4. The B.E. Journal of Macroeconomics
5. Journal of Political Economy Macroeconomics
6. Journal of Macroeconomics, Elsevier
7. Journal of Macroeconomics, SCIMAGO
8. Journal of Macroeconomics, Scholars Portal

**Web Resources:**

1. <https://durhamtech.libguides.com/macroeconomics/web>
2. [Exploring Macroeconomics | Online Resources \(sagepub.com\)](#)
3. [Macroeconomics | Economics | Khan Academy](#)
4. [Oxford University Press | Online Resource Centre | Introduction to Macroeconomics \(oup.com\)](#)
5. [60+ Macroeconomics Courses & Certifications \[2023\] | Learn Online for Free | Class Central](#)
6. [Macroeconomics | Definition | Finance Strategists](#)
7. [Principles of Macroeconomics 2e - OpenStax](#)

**Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes**

Sem.	Course Code	Title of the Course									Hours	Credit
IV	E419	MACRO ECONOMICS - II									5	5
	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	3	2	2	1	2	3	2	2	2	2	2.1	
CO2	2	3	2	2	2	2	2	2	2	2	2.1	
CO3	2	2	3	2	2	1	2	2	2	2	2	
CO4	2	2	2	2	2	2	3	2	2	2	2.1	
CO5	3	2	2	2	2	3	2	2	2	2	2.2	
Mean Overall Score											2.1	
Result											High	

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

**Assessment Pattern**

Bloom's Category	CA Tests (Marks Allotment)		Term End Exam (100) Marks Allotment
	I CA (50)	II CA (50)	
Remember	10	10	20
Understand	10	10	30
Apply	10	10	10
Analyze	10	10	10
Evaluate	5	5	10
Create	5	5	20

Semester	Course Code	Title of the Course	Hours	Credits
IV	E420	Industrial Economics	5	5

**Course Objectives:**

1. To understand the basic concepts in Industrial Economics.
2. To learn the theories in Industrial location, mergers, and SEZs.
3. To know the classification of Indian industries and its productivity.
4. To analyze the sources of industrial financial institutions.
5. To evaluate the performance of industrial development.

**Course Outcomes:**

By the end of this course, students will be:

S. No.	Description	Cognitive Level (K-Level)
CO-1	Working with Industrial linkages.	K1, K2
CO-2	Familiarizing the theories of Industrial location, mergers, and SEZs.	K2, K3
CO-3	Differentiating the Indian industries and its productivity.	K3, K4
CO-4	Exploring the sources of industrial financial institutions.	K4, K5
CO-5	Appraising the industrial dynamics, and its regulations.	K5, K6

**Unit - I: Role of Industries**

**(15 Hours)**

Role of industries in economic development- Industry and sectoral linkages; industrial organization- private sector, public sector- joint sector and cooperative sector.

**Unit - II: Location of Industries**

**(15 Hours)**

Location of industries – Webber’s - Sargent Florence theories of industrial Location, Integration and Merger of industrial units – problems of regional imbalances -Special Economic Zones.

**Unit - III: Classification of Industries**

**(15 Hours)**

Large Scale, Medium and Small Scale Industries; Industrial Production and Productivity in India, Industrial Disputes.

**Unit - IV: Industrial Finance, Sicknesses and Policy**

**(15 Hours)**

Industrial finance – Role, Nature, Sources of industrial finance; financial institutions –IFCI, ICICI, IDBI, State Financial Corporations: TIC, DIC, SIDCO, Industrial Sickness – Industrial policy.

## Unit - V: Industry Development

(15 Hours)

Geography and industrial dynamics, innovation, Firm survival and the evolution of industries, industry life cycle, Turnover and mobility of firms, Regulation: regulation of firms with market power under asymmetric information; regulation under asymmetric information.

### Text Book:

1. Barthwal R R, Industrial Economics: An Introductory Text Book, New Age International Publishers, 2021.  
Unit – II Chapter 17.1 to 17.2  
Unit – IV Chapter 11.1 to 11.5  
Unit – V Chapter
2. Kiran Jotwani, Industrial Economics: Nirali Prakashan Advancement of Knowledge, Pune, 2013.  
Unit – I Chapter 1.1 to 1.3  
Unit – II Chapter 2.1 to 2.4  
Unit – III Chapter 3.1 to 3.4

### References:

1. Cherunilam F, Industrial Economics: Indian Perspective (3<sup>rd</sup> Edition), Himalaya Publishing House, Mumbai. 1994.
2. Desai B, Industrial Economy in India(3<sup>rd</sup> Edition),Himalaya Publishing House,Mumbai.1999.
3. Kuchhal.S.C Industrial Economy of India (5<sup>th</sup> Edition), Chaitanya Publishing House, Allahabad. 1980.
4. Singh.A and A.N.Sadhu, Industrial Economics, Himalaya Publishing House, Bombay. 1988.
5. Ahluwalia,I.JIndustrial Growth in India, Oxford University Press, New Delhi. 1995.
6. Devine P.Jet,alAn Introduction to Industrial Economics (3<sup>rd</sup> Edition) George Allen and Unwin,London.1978.
7. Singh S.P, Industrial Economics and Management, AITBS Publishers, New Delhi, 2008.
8. Sharma A.K. Industrial Economics, Anmol Publisher, Karnataka, 2007.
9. Ranjana Seth. Industrial Economics. ANE Books, New Delhi, 2010.

### Journals:

1. The Journal of Industrial Economics
2. International Journal of Industrial Organization
3. Journal of Industrial Economics



4. Journal of Industrial Economics

5. Industrial and Corporate Change

**Websites:**

1. <https://indecon.com/>
2. <https://egyankosh.ac.in/handle/123456789/3349>
3. <https://www.slideshare.net/attrimahesh/industrial-economics>
4. <https://aiu.edu/publications/student/english/industrial%20economics.html>
5. <https://elearning15.unibg.it/course/view.php?id=889>
6. <https://onlinelibrary.wiley.com> ›

**Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes**

Sem.	Course Code	Title of the Course									Hours	Credit
IV	E420	INDUSTRIAL ECONOMICS									5	5
	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	2	2	2	1	2	3	2	2	2	2	2	

C02	3	2	2	2	2	2	2	2	2	2	2.1
C03	2	2	3	2	2	2	2	2	2	3	2.2
C04	3	2	2	2	2	2	2	2	2	2	2.1
C05	2	3	2	2	2	3	2	2	2	2	2.2
<b>Mean Overall Score</b>											<b>2.12</b>
<b>Result</b>											<b>High</b>

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

#### Assessment Pattern

Bloom's Category	CA Tests (Marks Allotment)		Term End Exam (100) Marks Allotment
	I CA (50)	II CA (50)	
<b>Remember</b>	10	10	20
<b>Understand</b>	10	10	30
<b>Apply</b>	10	10	10
<b>Analyze</b>	10	10	10
<b>Evaluate</b>	5	5	10
<b>Create</b>	5	5	20

## B.Com (Commerce) Allied Subject

Semester	Course Code	Title of the Course	Hours	Credits
III	AE305	Managerial Economics	6	4

### Course Objectives:

1. To learn the basic tools in managerial economics.
2. To understand the importance of cost and revenue analysis.
3. To disseminate the different pricing strategies.
4. To study the importance of factors of production.
5. To know the different methods of capital budgeting.

### Course Outcomes:

By the end of this course, students will be:

S. No.	Description	Cognitive Level (K-Level)
CO-1	Identifying the basic tools of managerial economics.	K1,K2
CO-2	Computing different kinds of cost and revenue.	K2,K3
CO-3	Analysing the different methods of pricing.	K3, K4
CO-4	Evaluating the production function.	K4,K5
CO-5	Formulating different methods of capital budgeting.	K5, K6

### Unit – I: Nature and scope of Managerial Economics (18 Hours)

Definition, Meaning, Characteristics of Managerial Economics – Nature and scope of Managerial Economics - Importance of Managerial Economics - Basic Economic tools in Managerial Economics - Managerial Economist role and responsibility.

### Unit – II: Cost and Revenue Analysis (18 Hours)

Concepts of Cost – Short run costs: TFC and TVC – Average cost curve – AFC – AVC – Marginal cost – relationship between MC and AC – Long run cost analysis – Concepts of revenue: TR – AR – MR – Economies of scale – Break Even Analysis.

### **Unit – III: Pricing Strategies (18 Hours)**

Pricing Methods – Objectives and Control – Marginal cost pricing – Full cost pricing – Cost plus pricing – Administrative Pricing – Zero Pricing – Dual Pricing.

### **Unit – IV: Production Analysis (18 Hours)**

Factors of Production: meaning – Classification and Characteristics of factors of production – concepts of TP, AP and MP – Law of Variable proportions – Law of Returns to Scale – ISO Quants and Producer's equilibrium.

### **Unit – V: Capital Budgeting (18 Hours)**

Capital expenditure decisions and capital budgeting – capital budgeting techniques – discounted cash flow methods and its advantages and limitations – cost of capital.

#### **Text Book:**

1. Varshney, R.L and Maheshwari, K.L - Managerial Economics, Sultan Chand, New Delhi, 2009.  
Unit – I Chapter I  
Unit – II Chapter III  
Unit – III Chapter IV  
Unit – IV Chapter III  
Unit – V Chapter VI

#### **References:**

1. Baumol, William J., Economic Theory and Operation Analysis, Prentice Hall of India Pvt. Ltd., New Delhi. 1995.
2. Dean, Joel, Managerial Economics, Prentice Hall of Inc., New Jercey. 1977.
3. D.N. Dwivedi, Managerial Economics, Vikas Publishing House Pvt. Ltd., New Delhi. 2000.
4. H. Graig Peterson, WCRIS Lewis, Managerial Economics, Maxwell Macmillan International Edition. 1990.

5. Mehta, P.L, Managerial Economics, Sultan Chand Sons, New Delhi, 1997.
6. Lekhi R.K. Managerial Economics, Kalyani Publications, New Delhi, 2008.
7. Jhingan M.L & Stephen J.K, Managerial Economics, Vrinda Publications Ltd, Delhi, 2005.
8. Sankaran. S, Managerial Economics, Marghum Publications, Chennai, 2006.
9. Singh S.P, Managerial Economics, AITBS Publishers and Distributors, Delhi, 2005.

**Websites:**

1. <http://economics.about.com/od/pricing>
2. [www.studyfinance.com](http://www.studyfinance.com)
3. <http://www.economicswebinstitute.org/glossary/costs.htm>
4. [www.netmba.com](http://www.netmba.com)
5. [www.nationalanalysts.com](http://www.nationalanalysts.com)

**Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes**

Semester	Course Code	Title of the Course									Hours	Credit
III	AE305	MANAGERIAL ECONOMICS									6	4
	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	2	2	2	2	1	2	3	2	2	2	2	
CO2	2	3	2	2	2	2	3	2	2	2	2.2	
CO3	2	2	2	2	1	2	2	2	2	3	2	
CO4	2	2	2	2	3	2	2	2	2	2	2.1	
CO5	2	2	2	2	2	3	2	2	3	2	2.2	
Mean Overall Score											2.1	
Result											High	

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

**Assessment Pattern**

Bloom's Category	CA Tests (Marks Allotment)		Term End Exam (100) Marks Allotment
	I CA (50)	II CA (50)	
Remember	10	10	20
Understand	10	10	30
Apply	10	10	10
Analyze	10	10	10
Evaluate	5	5	10
Create	5	5	20

## B.Com (Commerce) Allied Subject

Semester	Course Code	Title of the Course	Hours	Credits
IV	AE405	International Economics	6	4

### Objectives:

1. To study the concepts and theories of international trade.
2. To learn the terms of trade, dumping, and Cartel.
3. To understand foreign exchange control and balance of payment.
4. To study Foreign Exchange Market and Foreign Direct Investment.
5. To know different international financial institutions.

### Course Outcomes:

By the end of this course, students will be:

S. No.	Description	Cognitive Level
CO-1	Disseminating the concepts and theories of international trade.	K1,K2
CO-2	Describing terms of trade, tariffs, dumping, and Cartel.	K2,K3
CO-3	Illustrating foreign exchange control and balance of payments	K3,K4
CO-4	Examining foreign exchange market, foreign direct investment, and foreign capital	K4,K5
CO-5	Evaluating International financial institutions	K5,K6

### Unit - I: Concept of International Trade

(18 Hours)

Nature and scope of International Trade - Inter-regional and International Trade: difference - similarities – Theories: Smith's Theory of absolute Costs, Ricardo's Theory of Comparative Costs, Heckscher - Ohlin Theory.

### Unit - II: Terms of Trade and Tariffs

(18 Hours)

Terms of trade: Classification - Factors affecting terms of Trade - Tariffs: Types - Dumping: Types and Objectives – Cartel: types, advantages and disadvantages.

### Unit - III: Foreign Exchange Control and Balance of Payments

(18 Hours)

Exchange Control: Features, Objectives, Methods, Merits and Demerits - Balance of Trade and Balance of Payments – Disequilibrium in Balance of Payments, Measures to correct Balance of payments.

**Unit - IV: Foreign Exchange Market and Foreign Capital (18 Hours)**

Foreign Exchange Market, Methods of Foreign payments, Spot and Forward Exchange markets – Types of International Capital movement – Flow of FDI and FII– Foreign Capital in India: Impact of Foreign Capital on India's Economic Development.

**Unit - V: International Financial Institutions (18 Hours)**

**IMF:** Origin, Objectives, Functions, Organization and Structure, Working of the Fund, Special Drawing Rights (SDR). **Asian Development Bank:** Functions, Organization, India and ADB. **WTO:** Its structure, objectives, Functions.



**Text Book:**

1. Jhingan M.L “International Economics”, Vrindha Publication, New Delhi.2011.

Unit – I Chapter - 1,3,7,8

Unit – II Chapter - 17, 20, 24, 26

Unit – III Chapter - 25,29,

Unit – IV Chapter – 37, 38, 40, 42, 60

Unit – VChapter - 45, 56, 54

**References:**

1. Cherunilam, Francis ‘International Economics’, Tata McGraw-Hill Publishing Co. Ltd., New Delhi.1998.
2. Dana M. S ‘International Economics: Study, Guide and Work Book’ (5<sup>th</sup> Edition. Routledge Publishers. London. 2000.
3. Dunn, R.M. and J.H. Mutti ‘International Economics’, Routledge Publishers. London.2000.
4. Soderston, ‘International Economics’, Macmillan, London.2002.
5. Mithani G.M, Essence of International Economics, Himalaya Publishing House, New Delhi. 2001.
6. Paul Krugman and Maurice Obstfeld– “International Economics: Theory and Policy”, 2005.

**Websites:**

1. <http://www.tradeget.com/partners.html>
2. <http://commin.nic.in>
3. <http://ipindia.nic.in/ipr/patent/patents.htm>
4. <http://dgft.delhi.nic.in>
5. <http://dipp.nic.in/>
6. [http://dipp.nic.in/intellectual\\_property\\_dipp.htm](http://dipp.nic.in/intellectual_property_dipp.htm)
7. <http://imf.org>
8. <http://wto.org>
9. <http://economagic.com>
10. <http://www.emginkts.com/>

**Relationship matrix for Course outcomes, Programme outcomes/ Programmes Specific outcomes**

Semester	Course Code	Title of the Course									Hours	Credit
IV	AE405	INTERNATIONAL ECONOMICS									6	4
	Programme Outcomes (PO)					Programme Specific Outcomes (PSO)					Mean Scores of COs	
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	2	2	2	3	2	2	2	2	2	2	2.1	
CO2	3	2	2	2	2	2	2	2	2	2	2.1	
CO3	2	3	2	2	2	1	2	2	3	2	2.1	
CO4	2	3	2	2	2	2	2	1	2	2	2	
CO5	2	3	2	2	3	2	2	3	2	2	2.3	
Mean Overall Score											2.12	
Result											High	

High – (2.1 – 3), Medium – (1.1 – 2), Low – (0 – 1)

**Assessment Pattern**

Bloom's Category	CA Tests (Marks Allotment)		Term End Exam (100) Marks Allotment
	I CA (50)	II CA (50)	
Remember	10	10	20
Understand	10	10	30
Apply	10	10	10
Analyze	10	10	10
Evaluate	5	5	10
Create	5	5	20

**Objective**

- To help the students to familiarize theories, policies and international financial institutions.

**Unit - I: Concept of International Trade**

Nature and scope of International Trade - Inter-regional and International Trade: difference - similarities – Theories: Smith’s Theory of absolute Costs, Ricardo’s Theory of Comparative Costs, Heckscher-Ohlin Theory.

**Unit - II: Terms of Trade and Tariffs**

Terms of trade: Classification - Factors affecting terms of Trade - Tariffs: Types - Dumping: Types and Objectives – Cartel: types, advantages and disadvantages.

**Unit - III: Foreign Exchange Control and Balance of Payments**

Exchange Control: Features, Objectives, Methods, Merits and Demerits - Balance of Trade and Balance of Payments – Disequilibrium in Balance of Payments, Measures to correct Balance of payments.

**Unit - IV: Foreign Exchange Market and Foreign Capital**

Foreign Exchange Market, Methods of Foreign payments, Spot and Forward Exchange markets – Types of International Capital movement – Flow of FDI and FII– Foreign Capital in India: Impact of Foreign Capital on India’s Economic Development.

**Unit - V: International Financial Institutions**

**IMF:** Origin, Objectives, Functions, Organization and Structure, Working of the Fund, Special Drawing Rights (SDR). **Asian Development Bank:** Functions, Organization, India and ADB. **WTO:** Its structure, objectives, Functions.

**Text Book**

Jhingan M.L “International Economics”, Vrindha Publication, New Delhi.2011.

**References**

1. Cherunilam, Francis ‘International Economics’, Tata McGraw-Hill Publishing Co. Ltd., New Delhi.1998.

2. Dana M. S 'International Economics: Study, Guide and Work Book' (5<sup>th</sup> Edition). Routledge Publishers. London. 2000.
3. Dunn, R.M. and J.H. Mutti 'International Economics', Routledge Publishers. London.2000.
4. Soderston, 'International Economics', Macmillan, London.2002.
5. Mithani G.M, Essence of International Economics, Himalaya Publishing House, New Delhi. 2001.
6. Paul Krugman and Maurice Obstfeld– "International Economics: Theory and Policy", 2005.

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2. <http://commin.nic.in>
3. <http://ipindia.nic.in/ipr/patent/patents.htm>
4. <http://dgft.delhi.nic.in>
5. <http://dipp.nic.in/>
6. [http://dipp.nic.in/intellectual\\_property\\_dipp.htm](http://dipp.nic.in/intellectual_property_dipp.htm)
7. <http://imf.org>
8. <http://wto.org>
9. <http://economagic.com>
10. <http://www.emginkts.com/>

**Objective**

- Public economics is the study of government policy from the point of view of economic efficiency and equity. The paper deals with the nature of government intervention and its implications for allocation, distribution and stabilization.

**Unit – I: Nature and scope of Fiscal Economics**

Origin, Definition, Meaning and Scope of fiscal finance – Distinction between private and fiscal finance – Public goods versus private goods – Role of fiscal finance in under-developed countries - Principle of maximum social advantage (Musgrave).

**Unit – II: Public Expenditure**

Meaning, Scope, Difference between public and private expenditures – Aims and Principles of public expenditure – Classification – Reasons for the growth of public expenditure - Causes and effects of public expenditure with reference to India.

**Unit – III: Public Revenue and Taxation**

Sources of public revenue – Distinction between tax revenue and non tax revenue – Trend in revenue – Taxation – Meaning – Characteristics of a good tax system - Sources of taxation – Classification of taxes – Canons –Incidence and Shifting of taxation – Effects of taxation.

**Unit – IV: Taxes and Duties**

Individual taxes (with reference to India) – Income tax – Expenditure tax – wealth tax – Property tax- Estate duty – Gift tax – Death duty – Customs duty – Excise duty – Sales tax – Value added tax – Goods and Services Tax (GST): Importance, merits and demerits.

**Unit – V: Taxable Capacity**

Meaning, Definition, Absolute and Relative taxable capacity – Significance - Factors determining taxable capacity – Limits – Measurement of taxable capacity – Taxable capacity and Ability to pay – Burden of taxation.

**Text Book**

1. Tyagi.B.P., Public Finance, Jai Prakash Nath Co. Meerut, 2008.

**References:**

1. Musgrave, R.A., and P.B.Musgrave, Public Finance Theory and Practice, Tata McGraw Hill, New Delhi, 2015.
2. Philip. E. Taylor, Economics of Public Finance, Oxford University Press, New Delhi, 2015.
3. Lekhi.R.L., Public Finance, Kalyani Publishers, Chennai, 2015.

**Semester – V****Indian Economy****6 Hours / 6 Credits****Objective:** To understand the nature and characteristics of Indian Economy and its Policies and issues.**Unit – I: Structure of the Indian Economy**

Underdeveloped economy – Meaning – Characteristics of the Indian economy – Major issues of development – Occupational distribution – Human development index in India – Sectoral composition of national Income in India.

**Unit – II: Economic Planning and Development**

Economic development Vs Growth: Determinants – Planning: Definition – Scope – Objectives– Mixed Economy model of Development strategy – LPG model of development Strategy – Planning Commission: NITY YOG: Roles & functions.

**Unit – III: Agricultural Sector in the National Economy**

The role of Agriculture in the Economy – Progress of Agriculture under the five year plans – Green Revolution –Contract farming.

**Unit – IV: Industrial and Service Sector**

The role of Industrialization in Indian Economy –Classifications of Industry – Large Scale – Small Scale – the role of SSIs in Indian Economy – Service Sector: Transport and Communication, Banking, Insurance and Tourism.

**Unit – V: Emerging Issues in Indian Economy**

The Concept of Poverty – Poverty Alleviation Programmes – Farmer’s Suicides - Black Money: meaning – Impact and factors responsible for black money, Health and Education challenges – Unemployment: types –Recent Employment Programme – MGREGP - Inequality, Rural Infrastructure in India.

**Text Book:**

1. Ruddardutt & Sundharam. K. P. M, “Indian Economy”, Sultan Chand and Company, Ram Nagar, New Delhi.2010.

**References:**

1. Dhingra.I.C, The Indian Economy, Environment and Policy, Sultan Chand & company, Ram Nagar, New Delhi.2001.
2. Mongia.J.N, “Indian Economic Policies”, Allied publishers, New Delhi.2000.
3. Sankaran.S, “Indian Economy”, Margham Publication, Chennai.2005.
4. Agarwal.A.N, Indian Economy Problems and Development Planning, VishwaPrabhakaran Publishers, New Delhi.2002.
5. Planning Commission Report, Government of India Publication, New Delhi.
6. Annual Report, Reserve Bank Bulletin, Government of India Publication, New Delhi

**Websites:**

1. <http://dare.nic.in>
2. <http://ari.gov.in>
3. <http://aquaculture.tn.nic.in>
4. <http://agricoop.nic.in>
5. <http://drdpat.bih.nic.in>
6. <http://www.nddb.org>
7. <http://dahd.nic.in>
8. <http://www.niam.gov.in>
9. <http://www.manage.gov.in>
10. <http://planningcommission.gov.in>

## **Objective**

- To know the functions of money and the working of a monetary system in an economy.

## **Unit - I: Functions and Circular Flow of money.**

Evolution – functions and significance of money – Barter system – classification – role of money in capitalist, socialist and mixed economy – Evils of money – circular flow of money.

## **Unit – II: Monetary Standards**

Meaning and types of monetary standard – Gold standard: rules – types – working – merits and demerits – breakdown of gold standard.

Paper standard: types - merits and demerits – characteristics of sound note issue – principles management of note issue.

## **Unit-III: Indian Currency System.**

Indian currency system – Chakravarty committee report on India's monetary system- supply and demand for money – new monetary equations.

## **Unit – IV: Supply and Demand for Money**

Supply of money: Definition – determinants of money supply – concept of velocity of money.

Demand for money: Classical approach – Liquidity preference – Post Keynesian approach – value of money: measurement of value of money – importance of index number.

## **Unit –V Quantity Theory of Money**

Fisher's Transaction Approach – Cambridge Cash Balance Approach – Keynesian theory of money – Friedman's Restatement of Quantity Theory of Money.

## **Text Book:**

1. Jhingan.M.L, Monetary Theory, Delhi, Konark, publication, 2004.

## **References:**

1. Growther.G, An Outline of money, London, Longman\$Green, 1900.



2. Vaish.M.C, Monetary Economics, New Delhi, Vikaspub., 1968.
3. Gosh.B.N, and Rama Gosh, Fundamentals of Monetary Economics, Bombay, Himalaya, Publication, 1989.
4. Gibson.W.E, and George G Kaufman, Monetary Economics, Delhi, Tata Mac Hill, 1975.
5. Friedman.M, Studies in Quantity Theory of Money, Chicago, Chicago Univ. Press 2011.
6. Sankaran.S, Monetary Economics, Margam, Chennai, 2013.

**Semester-V**

**Elective-I: Managerial Economics**

**6 Hours /4 Credits**

**Objective**

- To familiarize with the students the importance of economic approaches in managerial decision making.

**Unit – I: Nature and scope of Managerial Economics**

Definition, Meaning, Characteristics of managerial economics – Nature and scope of managerial economics - Importance of managerial economics - Basic economic tools in managerial economics - managerial economist role and responsibility.

**Unit – II: Cost and Revenue Analysis**

Concepts of Cost – Role of cost in Managerial decision making-Concepts of revenue: TR – AR – MR – Economies of scale – An evaluation of Break Even Analysis.

**Unit – III: Pricing Strategies**

Pricing methods – objectives and control – Marginal cost pricing – Full cost pricing – Cost plus pricing – Administrative Pricing – Zero Pricing – Dual Pricing.

**Unit – IV: Demand forecasting**

Demand forecasting- purpose and steps involved in demand forecasting –determinants of demand forecasting- methods of demand forecasting- An evaluation of different methods of demand forecasting.

## Unit – V: Capital Budgeting

Capital expenditure decisions and capital budgeting – capital budgeting techniques – discounted cash flow methods and its advantages and limitations – cost of capital.

### Text Book

1. Dominic Salvatore (1993) Managerial Economics McGraw Hills New York.
2. Varshney,R.L and Maheshwari, K.L - Managerial Economics , Sultan Chand, New Delhi, 2009

### References:

1. Baumol, William J., Economic Theory and Operation Analysis, Prentice Hall of India Pvt. Ltd., New Delhi. 1995.
2. Dean, Joel, Managerial Economics, Prentice Hall of Inc., New Jercey. 1977.
3. D.N. Dwivedi, Managerial Economics, Vikas Publishing House Pvt. Ltd., New Delhi. 2000.
4. H. Graig Peterson, WCRIS Lewis, Managerial Economics, Maxwell Macmillan International Edition. 1990.
5. Mehta, P.L - Managerial Economics, Sultan Chand Sons, New Delhi, 1997.
6. Lekhi R.K. Managerial Economics, Kalyani Publications, New Delhi, 2008.
7. Jhingan M.L & Stephen J.K, Managerial Economics, Vrinda Publications Ltd, Delhi, 2005.
8. Sankaran. S, Managerial Economics, Marghum Publications, Chennai, 2006.
9. Singh S.P, Managerial Economics, AITBS Publishers and Distributors, Delhi, 2005.

### Websites:

1. <http://economics.about.com/od/pricing>
2. [www.studyfinance.com](http://www.studyfinance.com)
3. <http://www.economicwebinstitute.org/glossary/costs.htm>
4. [www.netmba.com](http://www.netmba.com)
5. [www.nationalanalysts.com](http://www.nationalanalysts.com)

**Objective**

- To get acquainted with the tools of Econometrics for applied research in Economics.

**Unit - I: Nature and scope of Econometrics**

The econometric approach– economic theory - Statistics and econometrics – Nature and use of econometric models.

**Unit - II: Linear Regression**

Two variable regression – Multiple regression – Correlation coefficient – Multicollinearity – Extensions of linear regression – functional forms – dummy variables – Analysis of variance.

**Unit - III: Generalized Least Squares**

Heteroscedastic errors – Auto correlation – Errors in variables – Methods of instrumental variable – grouping of observations and grouping of equations.

**Unit - IV: Simultaneous Equation Methods**

The problem of identification – Estimation – Two stage least squares – introduction to limited information and full information – maximum likelihood and three stage least squares.

**Unit - V: Application of Econometric Models**

Application of single equation technique in demand analysis — Aggression problem, Engle's Law, Slutsky's theorem, the consumer's allocation problem — model in relative prices, aggregation over consumers. Estimation of demand function under different conditions, properties of the estimators — static and dynamic analysis. Estimation of consumption function — Cross section and time series. Estimation of Production functions: Cobb Douglas.

**Text Book:**

1. Gujarati, Damodar. Basic Econometrics. Singapore, McGraw Hill Inc., 1995.

**References:**

1. Johnston.J. Econometric Methods. Singapore, McGraw Hill Inc., 1994.

2. Johnson, Aaron.CJr et al. Econometrics: Basic and Applied. New York, Macmillan Publishing Co, 1987.
3. Maddala.G.S. Econometrics.New York, McGraw Hill, 1997.

**Semester - V          Elective - III: Human Resource Management          6 Hours /4 Credits**

**Objective:**

1. To develop an understanding of the management of human resource.

**Unit – I: Basis of HRM**

**HRM:** Meaning – Definition- Characteristics – Objectives – Importance – Functions and scope of HRM – Qualities of HR Manager.

**Unit – II: Planning**

**Human Resource Planning** – Objectives – Need and importance – Problems in HRP – **Job Analysis:** Concept – Objectives – Uses – Process – **Job Design:** Meaning – Methods – Recent trends in job redesign.

**Unit – III: Recruitment**

**Recruitment:** Meaning – Process – Sources – Techniques – Considerations in recruitment – **Selection:** Meaning – Steps in selection process – selection interviewing – **Placement:** Meaning – **Motivation:** Meaning.

**Unit – IV: Training**

**Training:** Meaning – Need for training – Importance – Types – Evaluating training effectiveness – **Induction:** Concept of induction and orientation – Objectives of induction – Advantages of formal induction – Effectiveness of induction – **Socialization:** Meaning.

## **Unit – V: Emerging Horizons in HRM**

**Virtual Organization:** Meaning – Distinction between traditional and virtual organization – Types – Technology of Virtual Organization.

### **Text Book:**

1. Gupta C. B., “Human Resources Management”, Sultan Chand & Sons Publication, New Delhi, 2015.

### **References:**

1. SubbaRao., “Personnel & Human Resource Management”, Himalaya Publishing House, New Delhi, 2015.
2. Aswathappa K., “Human Resource and Personnel Management”, Tata McGraw Hill Publishing Co. Ltd, New Delhi, 2015.
3. VenkataRathnam C.S., &Srivastava B.K., “Personnel Management & Human Resources”, Tata McGraw Hill Publishing Co. Ltd, New Delhi, 2015.
4. Jaishanker, “Fundamentals of Human Resource Management”, Margam Publications, New Delhi, 2015.

**Semester- V**

**Non Major Elective: Basic Economics**

**2 Hours / 1Credits**

### **Objective:**

- To make the students to understand basic economic concepts.

### **Unit – I: Basic Economics**

Economics: Meaning, Definitions – Nature, Scope and Central Problems of the Economics – Scarcity and Choice – Demand: Types – Elasticity of Demand: Types – Supply: factor affecting Supply of Commodity – Cost and its Types – Revenue and its Types.

### **Unit – II: Macro Economics**

Macro Economics: Scope and Nature – National Income: Concepts, Methods of Calculating National Income – Inflation: Types, Classification – Deflation – Consumption Function: Determination – Investment Function – Savings – Unemployment: Types.

### **Unit – III: Managerial Economics**

Managerial Economics: Nature and Scope – Objectives of the Firm – Risk and Uncertainty – Demand Forecasting: Meaning, Methods – Inventory: Meaning, Types, Objectives and Methods of Inventory Control – Pricing Strategies: Types.

### **Unit – IV: Monetary Economics**

Monetary Economics: Definition and its Scope – Money: Definitions, Functions of Money – Demand for Money – Supply of Money – Factors determining Demand and Supply of Money – Components of Money Supply.

### **Unit – V: Banking and Fiscal Economics**

Bank: Types – Commercial Banks: Functions – Central Bank: Functions – Fiscal Policy: Objectives – Public Expenditure: Components – Public Revenue: Components – Public Debt: Components – Budget: Definition, Types.

### **Text Book:**

1. Robert H. Frank Bew S. Bernanke 'Principles of Economics', Tata McGraw-Hill edition, New Delhi, 2007.

### **References:**

1. Agarwala S.K, 'Principles of Economics', Anurag Jain for Excell Books, New Delhi, 2009.
2. D.Wivedi,D.N. 'Principles of Economics',Vikaspublishing House Pvt Ltd, New Delhi,1985
3. Prasad K.N. 'Foundations of Modern Economics', Sterling Publishers PVT.Ltd, New Delhi, 1986.
4. Howard L. Hurwitz and Frederick Show, 'Mastering Basic Economics', Oxford Book Company, New York, 1965.
5. Lokanathan V. 'Principles of Economics', Chand and Company Ltd, New Delhi,1999.
6. Dictionary of Economics.2014.

**Semester-V**

**SSP\* Social Economics**

**Credit-1**

**Objective:** to discover the ways to resolve social problems.

### **Unit - I: Introduction**

Social economics: definition- equality in human societies (employment)- principles of social doctrines, Gandhi, Marx and Pope.

### **Unit - II: Poverty**

The world poverty situation- causes and consequences- requisites of economic growth- role of government – social security- subsidies- social banking- refugees, slavery and beggary.

### **Unit - III: Human Capital**

Problems in education and health services- energy crisis and related issues

### **Unit - IV: Discrimination**

Sources, kinds and costs – consumerism- provision of information-protection from business manipulation- Caste and Gender discrimination.

### **Unit-V: Economic Crimes**

Causes and consequences- remedial course of action- Economic crimes, Cybercrime, Corruption and their prevention- violation of human rights- Need to control terrorism.

### **Text Book**

1. Dreze, Jean and Amartya Sen, Hunger and public Action, Clarendon Press, Oxford. 1989.

### **Reference:**

1. Culyer,A.J, The Economics of Social Policy, Martin Robertson and Co.Ltd, London. 1973.
2. Douglass.C, North and Roger Leroy Miller, The Economics of Public Issues, Harper and Row, New York. 1971.
3. Indira Gandhi Memorial Trust, Redefining the Good Society, Wiley Eastern Ltd, New Delhi. ,1995.
4. Harbison, Frederick and Charles .A. Meyers, Education, Manpower and Economic Growth: Strategies of Human Resource Development, McGraw-Hill book Co. New York. 1964.

**Semester-VI**

**Environmental Economics**

**6 Hours / 6 Credits**

**Objective**

- To explore the fundamental theories of environmental economics, the environmental problems and policy measures.

### **Unit – I: Scope of Environmental Economics**

Scope of environmental economics – Types of environmental resources: renewable and non-renewable – inter-linkage between the economy and environment – Sustainable development.

### **Unit – II: Externalities**

Meaning of Externalities, Types of goods – Classification of environmental resources public, private and common property – Institutional failure, market, government and other institutions – Tragedy of commons – pollution control policies – command and control Vs market based approaches.

### **Unit – III: Economic Valuation Techniques**

Taxes, Permits subsidies, Revealed Preference methods: Travel Cost Method, Coase's Theorem, Household production function approach, State Preference Methods; Benefit/Cost Analysis; Contingent Valuation Method, Technology versus Environment.

### **Unit – IV: Macro Economics of Environment**

Economic growth and environment – Environmental Kuznet's Curve-trade and environment – Global environmental problems global warming: cause and effects – Climate change and their implications.

### **Unit – V: Environmental Problems and Regulation in India**

Environmental Problems in India: Water pollution, air pollution, land degradation, Waste Management, deforestation, pollution and health problems, Environmental policies in India – Environmental Impact Assessment (EIA); Institutions for environmental protection in India – environmental federalism.

#### **Text Book:**

1. Hanley Nick, Jason F. Shogren and Ben White, Environmental Economics in Theory and Practice, N.Y. Macmillan, 1997.

#### **References:**

1. Kostald Charles D, Environmental Economics, Oxford University Press, 2002



2. Perman R. May, McGilvary M. Common Natural Resources and Environmental Economics (3<sup>rd</sup>ed.) Pearson Addison Wesley, 2003
3. Cunnigham, Environmental Economics, Raintree Publishers, Chennai, 2001
4. Karpakam, Environmental Economics, Kalyani publications, Chennai 2000.

**Semester-VI**

**Monetary Economics - II**

**6 Hours /6 Credits**

**Objective:**

- To know the working of the both national and international banking systems.

**Unit - I: Commercial Banking.**

History of banking – branch and unit banking - credit creation – commercial bank and economic development – nationalization of banks with reference to India.

**Unit – II: Central Banking.**

Definition – need – nature and functions – central bank in a developed money market – central in an undeveloped money market – methods of credit control-Demonetization and its impact.

**Unit - III: Money market and Stock exchange.**

Money market: composition – institution and significance of money market. Stock Exchange: Functions – importance of stock exchange – Governmental control of stock exchange – operation of stock exchange – Stock Exchange Board of India (SEBI).

**Unit – IV: Indian Banking System.**

The Reserve Bank of India : organization and management – functions – RBI and industrial development – industrial financial institutions (IDBI, IFCI, SFICI, UTI). Non-Bank financial Institutions (NBI) – financial sectoral reforms in India.

**Unit –V: International Monetary Institutions.**

International Monetary Fund (IMF): purpose – organization- operation – India and the Fund – International liquidity and the Fund. International Bank for Reconstruction and Development (IBRD): Functions – organization – operation – India and IBRD.

**Text Book:**

1. Jhingan.M.L, Monetary Theory, Delhi, Konark, publication, 2004.

**References:**

1. Growther.G, An Outline of money, London, Longman\$Green, 1900.
2. Vaish.M.C, Monetary Economics, New Delhi, Vikaspub., 1968.
3. Gosh.B.N, and Rama Gosh, Fundamentals of Monetary Economics, Bombay, Himalayapub., 1989.
4. Gibson.W.E, and George G Kaufman, Monetary Economics, Delhi, Tata Macgraw Hill, 1975.
5. Friedman.M, Studies in Quantity Theory of Money, Chicago, Chicago University Press, 1900.
6. Gurusamy.S,Banking Theory Law and Practice,Vijay Nicole, Chennai,2005.

**Objective:**

- Public economics is the study of government policy from the point of view of economic efficiency and equity. The paper deals with the nature of government intervention and its implications for allocation, distribution and stabilization.

**Unit – I: Public Debt**

Meaning and Difference between Public debt and private debt – Objectives and Importance of Public Debt - Sources of Public Borrowings – Effects of public debt – Public debt of Central and State Government – Redemption and management of Public Debt.

**Unit – II: Federal and Local Finance**

**Federal Finance:** Principles – Analysis of division of revenue, expenditure other powers between Union, State and Local Governments – Finance commission – Recommendations of recent finance commission.

**Local Finance:** Local Bodies: Village panchayats – Municipalities – Corporations – Functions and sources of finance to local bodies – Limitations of local finance.

**Unit – III: Deficit Financing**

Meaning - Objectives - Role of deficit financing – Effects on prices, production and distribution – Causes, Uses, Evils and Limits of Deficit financing.

**Unit – IV: Public Budget**

Meaning – Purpose – Budget Framing – Classification of Budget - Presentation of Budget – Balanced Budget and Multiplier Effect – Budget as an instrument of economic policy.

**Unit – V: Fiscal Policy**

Meaning – Objectives and instruments of fiscal policy in a developing economy – Role of Multiplier in Determination of fiscal policy – Limitations of Fiscal Policy - Recent central budget.

**Text Book:**

1. Tyagi.B.P., Public Finance, Jai PrakashNathCo. Meerut, 2008.

**References:**

1. Musgrave, R.A., and P.B.Musgrave, Public Finance Theory and Practice, Tata McGraw Hill, New Delhi, 2015.
2. Philip. E. Taylor, Economics of Public Finance, Oxford University Press, New Delhi, 2015.
3. Lekhi.R.L., Public Finance, Kalyani Publishers, Chennai, 2015.

**Semester- VI**

**Financial Economics (UGC – SS\*)**

**5 Hours / 4 Credits**

**Objective:**

- This paper helps the students to understand different concepts in financial management and its application.

**Unit - I: Organizational Structure of Financial Economics**

Meaning and scope of financial economics - Relationship of finance to economics and accounting - significance of finance in economic development – Role and functions of Financial Manager – Organization of finance function – sources of financial information.

**Unit - II: Different Sources of Finance**

Short and long term finance, Self-Financing, Retained Earning, Equity, Debentures, term loans from banking and non- banking institutions. Company deposits, Depreciation, Importance, practices and Determinants of Dividend Policy – kinds of Dividend Policy.

**Unit - III: Capital Market and Stock Exchange**

Meaning of capital market, role of capital market in economic development – Types: Primary New Issue Market (NIM) and secondary market (stock exchange) – their functions and recent development –SEBI as regulating authority of financial market.

#### **Unit - IV: Capital Budgeting**

Meaning and significance of capital budgeting – process of capital budgeting – methods of investment appraisal – Pay Back Period (PBP), Average Rate of Return (ARR), Net present value & Internal Rate of Return – risk and uncertainty – types and causes of business risk.

#### **Unit - V: Index Models, CAPM & APT**

Models of asset returns, Multi Index Models, Single Index Model, systematic and specific risk, Equilibrium models, Capital Asset Pricing Model, Capital Market Line, Security Market Line, Estimation of Beta, Arbitrage Pricing Theory.

#### **Text Book**

1. Avadhani V.A, Financial Economics: Theory and Practice, Himalaya Publishing House, New Delhi. 2014.

#### **Reference**

1. Erickson K.H, Financial Economics: A Simple Introduction, Create Space Independent Publishing Platform.2014.
2. Stephen F. Laroy, Principles of Financial Economics, Cambridge University Press, England. 2014.
3. Frank J. Fabozzi, Edwin H. Neave and Guofu Zhong, Financial Economics, John Wiley & Sons Publications, USA.2012.
4. Bharati V. Pathak, Indian Financial System, Pearson Education, Delhi,2014.
5. Khan M.Y, Indian Financial System, McGraw Hill Education, New Delhi.2015.

#### **Websites for References**

1. <http://financialmanagement-strategy.com>
2. <http://financialmanagementguide.investmentzone.com>
3. [www.safaribooksonline.com](http://www.safaribooksonline.com)
4. [www.bizmore.com/books/financialmanagement](http://www.bizmore.com/books/financialmanagement)

**Semester- VI Basic Computer and Its Application (UGC – SS\*) 5 Hours / 4 Credits**

#### **Objective**

- To make the students familiarize in processing and usage of MS Office tools and understanding internet.

#### **Unit - I: MS Word**

Word Processing Basics - Opening Word Processing Package - Opening and closing Documents - Save and Save as - Page Setup - Print Preview -Printing of Documents. Text Creation and manipulation -Editing Text -Formatting the Text – formatting the table.

#### **Unit - II: MS Excel**

Opening of Spread Sheet – entering data - Saving workbooks - Printing of Spread Sheet- Managing of Cells - Using Formulas and Functions-Statistical analysis.

#### **Unit - III: MS Power Point**

Opening a PowerPoint Presentation - Creation of Presentation - Saving a Presentation - Entering and Editing Text - Inserting and Deleting Slides in a Presentation - Preparation of Slides - Inserting Word Table or an Excel Worksheet - Presentation of Slides - Slide Show.

#### **Unit - IV: Internet Fundamentals**

Concept of Internet - Applications of Internet - Connecting to the Internet - Troubleshooting - World Wide Web (WWW) - Web Browsing Software - Search Engines - Downloading and uploading - Printing Web Pages - Understanding URL - Surfing the web.

#### **Unit –V: SPSS**

Introduction to SPSS - Data analysis with SPSS: general aspects, workflow, critical issues - SPSS: general description, functions, menus, commands - SPSS file management.

Defining variables - Manual input of data - Automated input of data and file import Data manipulation - Data Transformation - Syntax files and scripts- Output management

#### **Text Book**

1. Mishra A.K. "Handbook on SPSS for Research Work", Himalaya Publication, 2014.
2. Shrivatsava S.S, MS Office, Laxmi Publications, New Delhi.2015.

#### **Reference**

1. Bittu Kumar, MS Office 2010, V&S Books Publication, 2010.
2. Greg Perry, 'Microsoft Office 2010', Sam Teach yourself, Pearson Education, Delhi, 2007.
3. Greg Perry, Microsoft Office 2010, Sam Teach yourself, Pearson Education, 2010.
4. Vikas Gupta, Comdex Computer Course Kit, Office 2010, Dreamtech Press, Wiley-India, 2010.
5. Chris Bates - Web Programming – Building Internet Applications, , Third Edition, Wiley Student, Edition, 2006
6. Greg Perry, 'Microsoft Office 2007', Sam Teach yourself, Pearson Education, Delhi, 2007.
7. Rutkosy, Segain and Rutkosky. 'Office 2007', BPB Publishers, New Delhi, 2009.

#### **Websites**

1. [www.office.com](http://www.office.com)
2. [www.microsoft.com](http://www.microsoft.com)
3. [www.products.office.com](http://www.products.office.com)
4. [www.microsoftstore.com](http://www.microsoftstore.com)

**Semester-VI      Non-Major Elective: Indian Economy Basic Issues      2 Hours /1 Credit**

#### **Objective:**

- To know the basic Issues and Policies of Indian Economy.

#### **Unit – I: Economic Systems**

Economic System: Components – Capitalism: Features – Communism: Features – Mixed Economy: Features – Gandhian Thought – Nehru Thought of Economics.

### **Unit – II: Issues in Agriculture**

Agricultural Credit and Debt – Water Scarcity – Irrigation – Need of Nationalization of Indian Rivers – Mechanization of Agriculture – Commercialization of Agriculture.

### **Unit – III: Issues in Industry**

Industrialization and Urbanization: Causes and Effects – Role of FDI in Indian Economy – New Economic Policy on Industrialization.

### **Unit – IV: Issues in Service Sector**

LPG – Issues and Impact on Infrastructure: Energy, Transport, Communication, Banking, Insurance and Education.

### **Unit – V: Other Issues in Indian Economy**

Poverty: Types – Recent Poverty Alleviation Programmes in India – Black Money – Impact of Black Money on Economy – Problems of Unemployment in India – Corruption.

#### **Text Book:**

1. Ruddardutt & Sundharam. K. P. M, "Indian Economy", Sultan Chand and Company, Ram Nagar, New Delhi.2016.

#### **References:**

1. Dhingra.I.C, The Indian Economy, Environment and Policy, Sultan Chand & Company, Ram Nagar, New Delhi.2010.
2. Mongia.J.N, "Indian Economic Policies", Allied publishers, New Delhi.2000.
3. Sankaran.S, "Indian Economy", Margham Publication, Chennai.2005.
4. Agarwal.A.N, Indian Economy Problems and Development Planning, VishwaPrabhakaran Publishers, New Delhi.2002.
5. Planning Commission Report, Government of India Publication, New Delhi.
6. Annual Report, Reserve Bank Bulletin, Government of India Publication, New Delhi.

**Semester-VI (SSP\*) Economics for Competitive Examination 1 Credit**

**Objective:** to understand the basic concepts in economics required for competitive exams.

**Unit - I Basics of Micro and Macro**

Basic of Micro: Theory of Demand, Production, Market Structure.

Basics of Macro: National Income, Aggregates of money, inflation, unemployment.

**Unit - II Role of Banking**

Role of Banking- types of functions, financial institutions (RBI&SEBI)in economic development banking rates and terms-CRR,SLR, Raporate. Foreign Exchange Management: FERA, FEMA, Current News on banking sector –India and Global

**Unit - III International Economics**

Tariffs- International Economic Institution- From GATT to IMF, World Bank, ADB,WTO.

EXIM Policy, BOP (with respect to India).

**Unit - IV Growth and Development**

Factors influencing growth and development- unemployment and poverty, measurement of HDI

**Unit - V Indian Scene**

Planning- economic reforms-LPG, Poverty and Unemployment schemes in India- Health and Education. Agriculture- Green Revolution and Price policy, Current Affairs in India over the last 6 months.

**Text Book**

1. Appleyard,et.al, International Economics. McGraw Hill, New York.2009.

**Reference:**

1. Dewet,K.K, Modern Economic Theory,S.Chand, New Delhi. 2006.



### **Journals**

1. Business Magazines- The Economist, Business Weekly,
2. RBI, UNDP Report, Malayalam Manorama Year Book
3. Competition Success.

### **Web Resources**

1. <http://www.jagranjosh.com/economy-pdf-ids-preliminary-st-1359711724>  
<http://www.gktoday.in/gk/current-affairs-questions-answers/>