

Prof. M. DEVARAJULU  
Chairman  
Board of Studies  
Dept. of Economics



SVU College of Arts  
Tirupati - 517 502  
Ph. 0877 - 22 89 443

No SVUCA Economics Revised Syllabus 2021

Date: 24.01.2022

To

The Registrar  
SV University  
Tirupati.

**THROUGH PROPER CHANNEL**

Sir,

Sub: SVUCA – Dept. of Economics– Revised Syllabi in PG level Course  
- Submission - Reg.

Ref: Your Lr. No. C-II(A,B & F)/PG-Revise Syllabi/NEP-2021,  
dated 01.10.2021.

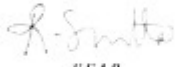
\* \* \*

With reference to letter cited above, as per the guideline of NEP-2020, the Department of Economics has constituted a Core Committee with Senior Teachers of the subjects concerned for updating the syllabi in PG level course (Dept. of Economics).

Further, I am herewith sending the Revised Syllabi (2 hard copies) in PG level course (Dept. of Economics) along with soft copy (CD) duly signed by the Chairman, Board of Studies in Economics, SVU College of Arts, Tirupati for the implementation of the same from the academic year 2021-22 along with DDC resolution.

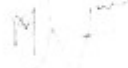
This is for your information and necessary action.

Thanking you,

  
HEAD  
DEPARTMENT OF ECONOMICS  
S. V. U. COLLEGE OF ARTS  
TIRUPATI-517 502

Encls: 1. DDC resolution.  
2. Revised Syllabi (Hard & Soft Copies)

Yours faithfully,

  
CHAIRMAN, BOBES  
S. V. U. College of Arts  
Sri Venkateswara University  
TIRUPATI-517 502, A.P.

Copy to the Head, Dept. of Economics, SVU College of Arts, Tirupati.  
Copy to the Principal, SVU College of Arts, Tirupati  
Copy to file.

**SVU COLLEGE OF ARTS, TIRUPATI**

**DEPARTMENT OF ECONOMICS**

**DEPARTMENTAL DEVELOPMENT COUNCIL (DDC)**

The Departmental Development Council of Economics met on 24.01.2022 at 11.30 AM in the chambers of the Head, Dept. of Economics, SVU College of Arts and made the following resolutions.

**Members Present:**

1. Prof. M. Devarajulu, BOS
2. Prof. D. Krishnamoorthy
3. Dr. R. Suneetha, Head
4. Dr. K. Radhika

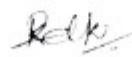
**RESOLUTION:**

It is unanimously approved the revised Syllabi in PG course ie. MA Economics from academic year 2021-22 onwards.

**Members:**

1. Prof. M. Devarajulu
2. Prof. D. Krishnamoorthy
3. Dr. R. Suneetha
4. Dr. K. Radhika

**Signature**



HEAD  
DEPARTMENT OF ECONOMICS  
S. V. U. COLLEGE OF ARTS  
TIRUPATI-517 502

<b>Program Code</b>	<b>Program name</b>	<b>Year of Introduction</b>	<b>Status of implementation of CBCS/Elective Course System (ECS)</b>	<b>Year of implementation of CBCS/ECS</b>	<b>Year of revision (if any)</b>	<b>If revision has been carried out in the syllabus during</b>	<b>Link to the relevant documents</b>
ECO-061	Economics	2021-22 (100% syllabus change)	CBCS: Yes	CBCS: 2006	-- -	CBCS:70%	CBCS: <a href="#">BOS Resolutions:</a>

# Revised Syllabus

w.e.f. 2021-22

(NEP-2020)



## M.A ECONOMICS (Regular & SSC)

**DEPARTMENT OF ECONOMICS**  
**SVU COLLEGE OF ARTS :: TIRUPATI**

**Paper Titles of Revised Syllabus with effect from 2021-2022**

Sl. No.	Components of Study	Title of the Course		Credit Hrs/Week	No. of Credits	Internal Marks	Sem End Exam Marks	Total	Page No.
<b>First Semester</b>									
1.	Core	101	Micro-Economic Analysis – I	06	04	20	80	100	01
2.		102	Macro-Economic Analysis - I	06	04	20	80	100	03
3.		103	Public Economics	06	04	20	80	100	05
4.		104	Mathematical Methods in Economics	06	04	20	80	100	07
5.	Compulsory Foundation (opt ONE)	105(a)	* Fundamentals of Computer	06	04	20	80	100	09
		105(b)	Urban Economics						11
		105(c)	Welfare Economics						13
6.	Elective Foundation (opt ONE)	106(a)	Economics of Environment	06	04	20	80	100	15
		106(b)	Demography						17
<b>TOTAL</b>				<b>36</b>	<b>24</b>	<b>120</b>	<b>480</b>	<b>600</b>	
7.	Audit Course	107	Human Values and Professional Ethics -I	00	00	100	--	--	19
<b>Second Semester</b>									
1.	Core	201	Micro-Economic Analysis – II	06	04	20	80	100	23
2.		202	Macro-Economic Analysis - II	06	04	20	80	100	25
3.		203	Federal Finance	06	04	20	80	100	27
4.		204	Statistical Methods in Economics	06	04	20	80	100	29
5.	Compulsory Foundation (opt ONE)	205(a)	International Trade: Theory and Policy	06	04	20	80	100	31
		205(b)	Economics of Infrastructure						33
		205(c)	Introduction to Information Technology						35
6.	Elective Foundation (opt ONE)	206(a)	Basic Econometrics	06	04	20	80	100	37
		206(b)	Economics of Tourism						39
<b>TOTAL</b>				<b>36</b>	<b>24</b>	<b>120</b>	<b>480</b>	<b>600</b>	
7.	Audit Course	207	Human Values and Professional Ethics -II	00	00	100	--	--	41
<b>Third Semester</b>									
1.	Core	301	Economics of Growth and Development	06	04	20	80	100	45
2.		302	Indian Economy	06	04	20	80	100	47
3.	Generic Elective (Opt TWO)	303 (a)	International Finance	06	04	20	80	100	49
4.		303 (b)	Production Economics and Farm Management						51
		303 (c)	Industrial Economics						53
		303 (d)	Women and Economic Development						55
5.	Skill Oriented Course (Compulsory)	304	Communication and Soft Skills	06	04	20	80	100	57
6.	Open Elective (opt One )	305 (a)	Andhra Pradesh Economy	06	04	20	80	100	59
		305 (b)	Agricultural Economics						61
<b>TOTAL</b>				<b>36</b>	<b>24</b>	<b>120</b>	<b>480</b>	<b>600</b>	
<b>Fourth Semester</b>									
1.	Core	401	Rural Development	06	04	20	80	100	65
2.		402	Financial Institutions and Markets	06	04	20	80	100	67
3.	Generic Elective (Opt TWO Papers)	403 (a)	India's Economic Reforms	06	04	20	80	100	69
4.		403 (b)	Entrepreneurship and Skill Development						71
		403 (c)	Labour Economics						73
		403 (d)	Economics of Insurance						75
5.	Skill Oriented Course (Compulsory)	404	Human Resource and Sustainable Development	06	04	20	80	100	77
	Open Elective (opt One )	405 (a)	Human Resource Development	06	04	20	80	100	79
6.		405 (b)	Planning in India and Indian Economy						81
<b>TOTAL</b>				<b>36</b>	<b>24</b>	<b>120</b>	<b>480</b>	<b>600</b>	

Note: \* Theory – 60, Internal Assessment – 20 and Practicals -20 paper 105( a) - First Sem

**SEMESTER – I**  
**ECO 101: MICRO ECONOMICS - I**  
**(Revised Syllabus with effect from 2021-2022)**

**Unit 1: Demand Analysis**

Demand Analysis : Marshalian, Hicksian, Slutsky and Samuelson's Revealed Preference Approaches – Pragmatic Approach – Linear Expenditure System – Constant Elasticity of Demand Function – Von Neumann – Morgenstern Utility Index.

**Unit 2: Theory Of Production And Cost**

Production Function : Cobb – Douglas Production Function – CES Production Function – Law of Variable Proportions – Returns to Scale – Isoquants-Iso – Cost Curves – Equilibrium of the Firm: Choice of Optimum Combination of Inputs – Elasticity of Substitution.

**Unit3: Cost of Production, Revenue And Equilibrium Of The Firm**

Cost of Production: Traditional and Modern Approaches – Short run and - Long run Cost Curves – Concept of Revenue – Revenue Curves under Different Market Conditions – Equilibrium of the Firm and Industry.

**Unit 4: Price And Output Determination Under Perfect COMPETITION, MONOPOLY AND MONOPOLISTIC COMPETITION.**

Perfect Competition: Price and Output Determination - Market Period-Short run and Long-run Analysis – Monopoly: Short run and Long run Equilibrium – Price Discrimination – Monopolistic Competition: Equilibrium of the Firm and the Group – Product Differentiation and Selling Cost – Chamberlin Concept of Excess Capacity.

**Unit5: Price And Output Determination: Duopoly And Oligopoly**

Duopoly: The Models of Cournot, Bertrand and Stackelberg – Oligopoly: Chamberlin Model and Kinked Demand Curve Model – Collusive Oligopoly: Cartels and Price Leadership.

**REFERENCES**

1. Ahuja, H.L., 2005, Advanced Economic Theory: Micro Economic Analysis, S.Chand&Company, New Delhi.
2. Archibald G.C. (Ed), 1971, Theory of the Firm, Penguin, Harmonds worth.
3. Baumol, W.J., 1982, The Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi.
4. Borch, K.H., 1968, The Economics of Uncertainty, Princeton University Press, Princeton.
5. Koutsoyiannis, A., 1979, Modern Micro Economics, Second Edition, Macmillan Press, London.
6. Watson, Donald S., 1967, Price theory and its uses, Scientific Book Agency, Calcutta.
7. Da Costa, G.C., 1980, Production, Prices and Distribution, Tata Mc Graw Hill, New Delhi.
8. Diamond and Roths Child (Ed), 1978, Uncertainty in Economics, Academic Press, New York.
9. Hirchleifer, J. and Glazer, 1977, Price Theory and Applications, Prentice Hall of India, New Delhi.
10. John Von Neumann and Oskar Morgenstern, 1947, Theory of Games and Economic Behaviour, Second Edition, Princeton University Press, Princeton.
11. Kalman, J. Cohen and Richard M. Cyert 1976, Theory of the Firm: Resource Allocation in a Market Economy, Second Edition, Prentice Hall of India, New Delhi.
12. Kreps David, M., 1990, A course in Micro Economic Theory, Princeton University, Princeton.

**M.A. ECONOMICS**  
**SEMESTER – I**  
**PAPER – ECO- 101 : Micro Economics Analysis - I**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Define demand and mention its influencing factors?
2. What is “Substitution Effect”?
3. What is Average Variable Cost?
4. Explain the relationship between marginal cost and average cost curves?
5. What are Isoquant Curves?
6. Explain the choice of optimum combination of inputs?
7. Explain the concept of Elasticity of Substitution?
8. Discuss average revenue under perfect competition?
9. Discuss the features of perfect competition?
10. Explain Chamberlin’s concept of ‘Excess Capacity’?

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Discuss Marshal’s Theory of Demand?  
**OR**  
(b). Discuss Samuelson’s Revealed Preference Theory?
- 12 (a). Critically examine Crbb-Douglas production function?  
**OR**  
(b). Critically examine the Law of Variable proportions?
- 13 (a). Explain Average Revenue under perfect competition and Monopoly Markets?  
**OR**  
(b). Illustrate ‘Price Discrimination’ with suitable examples?
- 14 (a). Analyse price and concept determination under monopolistic completion.  
**OR**  
(b). Which market is ideal from social welfare point of view?
- 15 (a). Explain the Cournot’s model of duopoly?  
**OR**  
(b). Describe the concept of Kinked Demand Curve.

**SEMESTER - I**  
**ECO 102: MACRO ECONOMICS - I**  
**(Revised Syllabus with effect from 2021-2022)**

**Unit 1: Nature and Scope of Macro Economics**

Nature of Macro Economics – Scope and Importance of Macro Economics – Limitations of Macro Economics – Macro Statics – Macro Dynamics and Comparative statics – Micro Foundation of Macro Economics.

**Unit 2: National Income**

Meaning of National Income – Concepts of National Income; Gross National Product, Net National Product, NMP at Market Price, NNP at Factor cost, NDP at Factor cost, Personal income, Disposal Income, Real Income and Per Capita Income – Methods of measuring National Income and Difficulties in the Measurement of National Income – Circular flow of income and expenditure: In two sector, three sector closed economy and four sector open economy.

**Unit 3: Classical and Keynesian Macroeconomics**

Classical Theory of Employment – Critique of Classical Theory – Basic Keynesian Models – Consumption Function – Investment Multiplier – Types of Investment – Marginal Efficiency of Capital and Investment – Accelerator – Interaction between Multiplier and Accelerator.

**Unit 4: Consumption Function; Alternative Hypotheses**

Consumption Function – Theories of Consumption Function – Alternative Hypotheses – Absolute Income Hypothesis, Relative Income Hypothesis, Life Cycle Hypothesis, Permanent Income Hypothesis.

**Unit 5: Neo Classical And Keynesian Synthesis**

The Goods market and Money market - Goods market equilibrium: the derivation of IS curve – Shift in IS curve – Money Market Equilibrium: The derivation of LM curve – Shift in LM curve – Interaction of IS-LM curve: The simultaneous equilibrium of goods market and Money market – The Elasticity of LM curve – The effectiveness of Monetary and Fiscal Policies.

**REFERENCES**

1. Gardner Ackley, 1978, Macro-economics: Theory and Policy, Macmillan, New York.
2. Dornbush, R and Stanley, F., 1997, Macro-economics, McGraw Hill Inc., New York.
3. Glabe, F.R., Macro-economics: Theory and Policy.
4. Keynes, J.M., 1936, General theory of employment interest and money.
5. Edward Shapiro, Macro-economic analysis, Galgotia publications, New Delhi.
6. Branson, W.A. 1989, Macro-economic theory and policy, Harper and Row, New York.
7. Jhingan, M.L., 2005, Macro-economic Theory, Vrinda Publications, New Delhi.
8. Ahuja, H.L., 2006, Macro-economics, S. Chand and Company, New Delhi.
9. Vaigh, M.C., 2005, Macro-economics, Vikas Publications.
10. Seth, M.L. 2006, Macro-economic theory, Lakshmi Narai Agarwal Publications, Agra.



**M.A. ECONOMICS**  
**SEMESTER – I**  
**PAPER – ECO- 102 : Macro Economics Analysis -I**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Nature and Scope of Macro Economics
2. Macro Statics
3. Gross National Product
4. Types of Investments
5. Marginal Efficiency of Capital
6. Consumption Function
7. Absolute Income Hypothesis
8. The Derivation of LM Curve
9. Accelerator
10. Relative Income Hypothesis

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Explain the micro foundation of macro economics  
OR  
(b). Explain the concepts of National Income and methods of measuring National Income
- 12 (a). Discuss about circular flow of Income and expenditure in two and three sector economy ?  
OR  
(b). Explain the classical theory of employment
- 13 (a). Explain Keynesian Theory of Employment  
OR  
(b). Diagrammatically discuss about marginal efficiency of investment
- 14 (a). Explain the theory of Multiplier  
OR  
(b). Discuss about life cycle and permanent income hypothesis
- 15 (a). Discuss the interaction between multiplier and accelerator  
OR  
(b). Explain the Shifts in IS and LM curves

**SEMESTER – I**  
**ECO 103: PUBLIC ECONOMICS**  
**(Revised Syllabus with effect from 2021-2022)**

**Unit 1: Public Finance And Public Authority**

Economic Systems – Need for Government Intervention – Major Fiscal Functions of the Government – Definition and Scope of Public Finance – Public and Private Finance – Positive and Normative approaches to Public Finance – Maximum Social Advantage and Optimum Allocation of Resources.

**Unit 2: Public Expenditure**

Wagner's Law of Increasing State Activities – Peacock and Wiseman Hypothesis – Rostow's Theory – Reasons for Growth of Public Expenditure in Modern times – Determinants and Classification of Public Expenditure – Growth of Public Expenditure – Effects of Public Expenditure – Regulation of Public Expenditure in India.

**Unit 3: Public Revenue**

Sources of Public revenue – Tax Revenue and Non-tax Revenue – Characteristics of Good Tax System – Benefit Theory and Ability to Pay theory – Taxable Capacity – Factors Determining Taxable Capacity, Measurement of Taxable Capacity and Taxable Capacity in India.

**Unit 4: Incidence Of Taxation**

Incidence of Taxation – Classical Approach – The Concentration, Diffusion and Modern Theories of Incidence and Musgrave's Concept of Incidence – Study of Indian Tax Structure – Direct and Indirect Taxes – Review of Tax Proposals of Raja. J. Chellaiah Committee – Reforms in Taxation.

**Unit 5: Public Debt**

Classical and Modern Views on Public Debt – Classification of Public Debt – Debt Burden Controversy – Classical Keynesian and Modern Views – Objectives and Principles of Public debt Management – Methods of Public Debt Redemption – Public Debt and Economic Development in India.

**REFERENCES**

1. Musgrave Richard, A and Musgrave Peggy B, 1973, Public Finance in theory and practice, McGraw Hill, Tokyo.
2. Bhargava R.N. 1971, the theory and practice of union finance in India, Chaitanya Publications, Allahabad.
3. Chellaiah R.J., 1971, Fiscal Policy in underdeveloped Countries with special reference to India, George Allen and Unwin, London
4. Mathew, T, 1981, Tax Policy, some aspects of Theory and Policy, Chanakya Publications, New Delhi.
5. Dwivedi P., (Ed) Readings in Indian Public Finance, Chanakya Publications, New Delhi.
6. Tripathy R.M., Fiscal Policy and Economic Development, Sterling Publications, New Delhi.
7. Musgrave Richard A and Peacock Allen, T, 1976, Classics in theory of Public Finance, Macmillan, London.
8. Sudipto Mundle (Ed), 1997, Public finance, Policy issues for India, Oxford University Press.
9. Raja, J. Chellaiah, 1996, Essays in Fiscal and Financial sectors reforms in India, Oxford University Press.
10. Raghavendra Jha, 1998, Modern Public Economics, Routledge, London.
11. Government of India, Economic Survey (various reports).
12. Government of India, 1992, Report of the Tax Reforms Committee, Part I & II, New Delhi.
13. RBI Monthly Bulletins.

**M.A. ECONOMICS**  
**SEMESTER – I**  
**PAPER – ECO- 103 : Public Economics**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks**

**(5 x 4 = 20)**

1. Nature and Scope of Public Finance.
2. Public Finance and Private Finance.
3. Wagner's law of increasing state activities.
4. Important heads of public expenditure.
5. Tax Revenue and Non-Tax Revenue.
6. What is incidence of taxation.
7. Principles of public debt management.
8. Objective of public debt.
9. What is fiscal deficit.
10. Recommendation of Rsja.J. Challain Committee.

**SECTION – B**

**Answer all Questions. Each question carries equal marks**

**(5 x 12 = 60)**

- 11 (a). Discuss the principles of Maximum Social Advantage?  
**OR**  
(b). Briefly analyse the reasons for growth of public expenditure in India.
- 12 (a). Describe the Peacock and Wiseman Hypothesis?  
**OR**  
(b). Explain the effect of increasing public expenditure on production, distribution and economic growth.
- 13 (a). Write the characteristic of Goods Tax System?  
**OR**  
(b). Ability to pay theory – Explain?
- 14 (a). What are the merits and demerits of Direct and Indirect Taxes?  
**OR**  
(b). Analyse the Musgrave's Concept of Incidence.
- 15 (a). Public debt burden – Discuss?  
**OR**  
(b). Discuss about the various methods of Public Debt Redemptions?

**SEMESTER – I**  
**ECO 104: MATHEMATICAL METHODS IN ECONOMICS**  
**(Revised Syllabus with effect from 2021-2022)**

**Unit-I: Sets and Operations on Sets**

Sets and Operations on Sets - Concepts of Cartesian Product Relation and function - Types of Functions - Polynomial Function. Homogenous Function – Logarithmic and Exponential Functions – Limit and Continuity of Function - Standard Limits - Evaluation of Limits in Simple Cases - Demand and Supply Functions and Determination of Equilibrium Price and Quantity.

**Unit-II: Differentiation of Functions of One or Two Variables**

Concept of Derivative–Rules of Differentiation, Power Rule, Product Sum, Difference-Quotient, Chain, Logarithmic and Exponential Rules–Higher Order Derivatives–Rules of Differentiation of Multi - variable Function - Interpretation of Partial Derivatives- Higher Order and Cross Partial derivatives–Interpretation of Revenue, Cost, Demand and Supply Functions and Elasticities.

**Unit-III: Maximum and Minimum Functions and Integration**

Conditions for Maxima and Minima of Functions of One or Two Variables - Simple examples from Economics, Maximization of Output, Revenue and Profit-Minimization of Cost under Perfect Competition and Monopoly Concepts of integration – Definite and Indefinite Integrals – Simple Rules of Integration – Application of Integration to Consumer’s Surplus and Producer’s Surplus.

**Unit-IV: Matrices and Determinant**

Concept of Matrix – Types of Matrix – Concept of Vector and its Properties – Addition and Multiplication of Matrices – Determinants and Their Properties - Inverse and Rank of a Matrix Solution of Two and Three Simultaneous Equations through Cramer’s Rule.

**Unit-V: Linear Programming and Input-Output Analysis**

Linear Programming–Formulation of a Linear Programming Problems – Solution of Linear Programming through Graphical Method – Formulation of a Dual Programme and its Interpretation – Input-Output Analysis – Assumptions – Formulation of Model - Finding Solution – Closed and Input-output Models.

**REFERENCES:**

1. Allen, R.G.D., 1974, Mathematical Analysis for Economists, Macmillan and ELBS, London.
2. Baumol, W.J., 1984, Economic Theory and operations Analysis, Printice Hall, Eaglewood Cliffs, New Jersey.
3. Chiang, A.C., 1986, Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
4. Mathur, P.N. and Bharadwaj, R, (Eds), Economic Analysis in Input-output research, input-output  
Research Association of India, Pune.
5. Monga, G.S., 1972, Mathematics and Statistics for Economists, Vikas Publishing for Economists, Prentice Hall of India, New Delhi.
6. Yamane, Taro, 1975, Mathematics for Economists, Prentice Hall of India, New Delhi.
7. Vygodsky, G.S., 1971, Mathematical Hand book (Higher Mathematics) Meir Publishers, Moscow.

**M.A. ECONOMICS**  
**SEMESTER – I**  
**PAPER – ECO- 104 : Mathematical Methods of Economics**  
**(Revised Syllabus with effect from 2021-2022)**

Time: 3 Hours

Max. Marks = 80

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks** (5 x 4 = 20)

1. Define function – Give examples of function.
2. Find  $\lim_{x \rightarrow 4} \frac{x^2-4}{x-2}$
3. Find the derivate of  $y=x^2+3x+2$ .
4. Find AC and MC if  $TC= Q^3-3Q^2+15Q+27$ .
5. Find the maximum and minimum values of  $y = 2x^2-x^3$ .
6. Evaluate  $\int_0^2 (2x^2+5x+1)dx$ .
7. State the properties of determinants.
8. Evaluate  $\begin{vmatrix} 1 & 2 & 3 \\ 2 & 3 & 5 \\ 1 & 5 & 12 \end{vmatrix}$
9. Explain basic assumptions of linear programming.
10. State the assumptions of Input-Output analysis.

**SECTION – B**

**Answer all Questions. Each question carries equal marks** (5 x 12 = 60)

- 11 (a). Find the limit of the functions
- |  |   |
|--|---|
| i). $\lim_{x \rightarrow 3} \frac{x^2-x-6}{x-3}$ | ii). $\lim_{x \rightarrow 1} \frac{x^3-3x+2}{x^3+x^2-5x+3}$ |
|--|---|

**OR**

- (b). i). Prove the associative Law for the union of sets.  
 ii). State Logarithmic and exponential function.
- 12 (a). Differentiate the following :
- |                            |                   |                        |
|----------------------------|-------------------|------------------------|
| i). $y = \frac{x-1}{3x+2}$ | ii). $Y = x^2e^x$ | iii). $Y = x^3 \log x$ |
|----------------------------|-------------------|------------------------|

**OR**

- (b). Find the second order partial derivative of  $Z = x^2y^3 - 4xy^2+3x^2y+y^3-5x4$ .
- 13 (a). Find the maximum and minimum values of the function  $y = 8x^5 - 15x^4 + 10x^2$ .
- OR**
- (b). Given  $Pd = \frac{8}{x+1} - 2$  ;  $Ps = \frac{x+3}{2}$  . Determine.

- 14 (a). Solve the gen system of equations by Cramer's rule.
- $$\begin{aligned} x - 2y + 3z &= 6 \\ 2x + 3y + 7z &= 29 \\ 3x - 5y - 2z &= 13 \end{aligned}$$

**OR**

- (b).
- 15 (a). Solve the following liner programming problem graphically.  
 Maximise  $Z = 2x+3y$  subject to
- a)  $x+4y \leq 24$ ,  $3x+y \leq 21$ ,  $x+y \leq y$  and b)  $x$  and  $y \geq 0$

**OR**

- (b). Explain the basic features of Input Output analysis and examine its usefulness.

**SEMESTER – I**  
**ECO 105(A): FUNDAMENTALS OF COMPUTERS**  
**(Revised Syllabus with effect from 2021-2022)**

**Unit 1: Computer Fundamentals**

Definition – Components of a Computer – Block Diagram–Evolution of Computer Generations– Input–Output Devices–Hardware and Software – Compilers and Assemblers –Low level and High level Languages – Operating Systems and the User Interface – Microsoft Operating Systems.

**Unit 2: MS Word**

Creating, Opening and Saving Files–Editing and Formatting Text–Spell and Grammar Check– Creation of Tables and Columns – Mail-merge – Word Art – Concept of Macro – Print Preview and Operations.

**Unit 3: MS Excel**

Work Sheet – Creating a Data File in MS Excel – Calculations in Excel Sheet – Creating Graphs and Charts with Excel–Data Analysis Pack–Statistical Functions – Printing Operations.

**Unit 4: Power Point**

Components of MS Power Point – Parts of a Power Point Screen - Creating a New Presentation – Opening – Saving – Closing a Presentation – Animation and slide Transit – Inserting Tables and Graphs in PPTs

**Unit 5: Software Packages and Internet**

Opening Excel files in SPSS - Variables, labels and values, Analysis tools - Descriptive Statistics - Selection of variables in multiple linear regression – Stepwise Regression - Definition – Internet - History – Internetworking – WWW – E-mail Basics – Advantages and Disadvantages – Creation of E-Mail – User IDs., Passwords and E-mail Address – Message Components – E-mail management – Search Engines.

**PRACTICALS :**

Time: 3 hrs

Max Marks:20

1. Each candidate has to perform two practicals
2. Practical record is to be maintained
3. Practical examination is based on practical record, demonstration and Viva-Voce.

**REFERENCES:**

1. Sinha, P.K., 1992, Computer Fundamentals, BPB Publications, New Delhi.
2. Raja Raman, V., 1999, Fundamentals of Computers, Prentice Hall of India, New Delhi.
3. Tom Sheldon, Windows 95 Made Easy, Tata Mc Graw Hill Publishing Co., New Delhi.
4. Kerns, 1996, Essentials of Microsoft Windows, Word and Excel, Prentice Hall of India, New Delhi.
5. Russel A. Shultz, Learn Microsoft Office 97, BPB Publications, New Delhi..
6. Peter Norton, Introduction to Computers, Tata Mc Graw- Hill Publishing Co., New Delhi.
7. Ravichandran, D., 2001, Introduction to Computers and Communication, Tata Mc Graw Hill Publishing Company Limited, New Delhi.
8. Sanjay Sexena, 2000, A First Course in Computers, Vikas Publishing House, New Delhi.
9. Shelly and Hunt Computers and Common Sense, Prentice Hall of India, New Delhi.

**M.A. ECONOMICS**  
**SEMESTER – I**  
**PAPER – ECO- 105 (a) : Fundamentals of Computer**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Explain Block Diagram of Computer.
2. What is the difference between RAM and ROM?
3. Explain the components of File in MS-Word?
4. State the options for ending a word documents.
5. Explain the procedure to enter the time series data in an excel sheet.
6. How do you create pie chart in an excel sheet?
7. State the advantages of Power Point Presentation.
8. State the options available for slide show.
9. How do you retrieve the data from excel sheet to SPSS data sheet?
10. What are the search Engines?

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Explain the different types of computers.  
**OR**  
(b). Explain in detail about various input devices in computer.
- 12 (a). Explain creating, editing and printing a word document.  
**OR**  
(b). Explain the procedure for mail merge in MS-Word.
- 13 (a). Discuss the architecture of an Excel Sheet and its advantages.  
**OR**  
(b). Explain the procedure involved in getting descriptive statistics through Excel.
- 14 (a). What are the essential components of a good power point presentation.  
**OR**  
(b). Discuss the procedure involved in creating a good power point presentation.
- 15 (a). Explain the procedure involved in creating and E-Mail and sending it.  
**OR**  
(b). Elucidate the advantages and disadvantage of email.



**SEMESTER – I**  
**ECO 105(B): URBAN ECONOMICS**  
**(Revised Syllabus with effect from 2021-2022)**

**Unit-I: Urbanisation : A Global View**

Definition, Nature and Scope Urban Economics – Sources of Urban Growth – Natural Increase – Net Migration – Urban Reclassification –Industrialisation - International Migration - Push and Pull Factors for Urban Growth – Trends in Growth of Urban Population in the world – The Challenges for Urban Growth – Social Equity – Environmental Sustainability – Governance – Sustainable Urban Development.

**Unit –II: Urbanisation in India**

Census Definition of Urban areas – Classification of Urban areas – Growth and Characteristics of Urban Population – Size and Growth of Major Urban Agglomerations – Urban Poverty and Inequality – Slums, Pollution and sanitation.

**Unit –III: Urbanisation and Labour Market**

Pull and Push Factors for Urbanisation in India – High Wages – Improved Infrastructure – Employment Opportunities – Educational facilities – Growth of formal and Informal economic activities – Labour Force Participation and Distribution of Workers – Street Children and Street Vendors.

**Unit-IV: Urbanisation and Environmental Challenges**

Rate of Urban Population Growth – Over Population – Problem of Urban Transportation – Pollutants to air and water – Solid Wastes and Noise Pollution – Burden of Diseases – Need for Improvement in Quality of Living and Environment.

**Unit-V: Urban Development and Government Policy**

Urban Poverty Alleviation Approaches – SJSRY – Employment through Skills, Training and Placement – National Urban Livelihood Mission (NULM)- Basic Services to Poor (BSUP)- National Policy on Street Vendors -2009- Housing and Slum Development Strategies- Integrated Housing and Slum Development Programme – JNNURM-2005 – JNNURM and Role of National Building Organisation – Inflow of FDI and Construction Sector – Rajiv Awas Yojana – Sab Keliye Awas – Basti Sudhar – Rajiv Rinn Yojana – Need Reforms in Government Policy .

**REFERENCES:**

- G.F. Bussars: Repid Problems of Urbanisation in India.  
Asok Owtra John: An Approach to Urban studies in India  
John D. Herbert and Alfrad P.Vn; Urban Planning in the Developing Countries.  
UN HABITAT : Cities and Climate Change Initiatives, News Letters  
UN HABITAT ( 2003) The Challenges of Slums, Earthscan Publications, London  
United Nations (2014) World Urban Prospects – Revision 2014,Department of Economic Social Affairs, Population Division , New York.  
United Nations Human Settlement Programme (2013) Planning and Design for Sustainable Urban Mobility. Global Report on Human Settlements -2013

**M.A. ECONOMICS**  
**SEMESTER – I**  
**PAPER – ECO- 105 (b) : Urban Economics**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks**

**(5 x 4 = 20)**

1. What are the Classifications of Urban Areas?
2. Explain Nature and Scope of Urban Economics.
3. Write note on Problem of Urban Transportation.
4. Write about Street Children and Street Vendors.
5. Explain Urban Poverty and Inequality.
6. Briefly write on Solid Wastes and Noise Pollution.
7. Role of National Building Organisation.
8. Sustainable Urban Development.
9. What are the need for Improvement in Quality of Living and Environment?
10. Explain the Burden of Diseases.

**SECTION – B**

**Answer all Questions. Each question carries equal marks**

**(5 x 12 = 60)**

- 11 (a). Describe about Growth and Characteristics of Urban Population.  
**OR**  
(b). Explain the Growth of Formal and Informal Economic Activities.
- 12 (a). Write about pull and push Factors for Urbanization in India.  
**OR**  
(b). what are the Challenges for Urban Growth?
- 13 (a). Urban Poverty Alleviation Programmes.  
**OR**  
(b). JNNURM and role of National Building Organisation.
- 14 (a). What are the Growth of Formal and Informal Economic Activities?  
**OR**  
(b). Integrated Housing and Slum Development Programme.
- 15 (a). Explain the Size and Growth of major Urban Agglomerations.  
**OR**  
(b). Describe about SJSRY.

**SEMESTER – I**  
**ECO 105 C: Welfare Economics**  
**(Revised Syllabus with effect from 2021-2022)**

**Unit 1: Introduction to Welfare Economics:** The concepts of Positive versus Normative Economics - “Welfare Economics” or “Economics of Well-Being - A Simple Graphical Presentation of the Course – Foundations of Methodological Individualism - Notion of “Rationality” - Methodology of Economics.

**Unit- 2: Markets, Efficiency and Welfare:**– Divergence between Private and Social costs – Problems of non-market interdependence – Externalities in production and consumption – Pigovian welfare economics - The First Fundamental Theorem of Welfare Economics - The Second Fundamental Theorem of Welfare Economics Arrow-Debreu Economies and General Competitive Equilibrium - Asymmetric Information and Market Allocations

**Unit- 3: Social Choice Theory:** Individual ordering and Social choice rule – conditions for majority rule – Pareto extension rules – liberalism versus Pareto Principle - Arrow’s Impossibility Theorem - Gibbard-Satterthwaite Impossibility Theorem - Sen’s Liberal Paradox - Voting Rules - Interpersonal Comparisons of Utility

**Unit- 4: New Welfare Economics:** Contributions of Barone to Welfare Economics - Kaldor and Hicks’ Compensation Criterion – The Scitovsky double criterion – Concept of Community indifference map – Samuelson’s Utility possibility curve – Value judgments and welfare economics – Bergson’s social welfare function – Restricted preference under Collective and rational choice

**Unit- 5: Introduction to Behavioral Welfare Economics:** Behavioural Economics (BE) – Importance and Rise of BE W- Kahneman and Tversky’s Prospect theory on Optimal Decisions – Herbert Simon’s Bounded Rationality and Information and Computational Capabilities – Richard Thaler and Sunstein’s Nudge theory.

**Text Books and Reference Books**

1. Feldman, A. M. & R. Serrano: *Welfare Economics and Social Choice Theory*, 2<sup>nd</sup> Edition, Berlin: Springer, 2006 [HB99.3.F45 2006, On Reserve]
2. Bowles, S.: *Microeconomics*, New York: Russel Sage Foundation, 2004. (A critical approach to microeconomics)
3. Katzner, D.W.: *An Introduction to the Economic Theory of Market Behavior*, Cheltenham: Edward Elgar, 2006.
4. Varian, H. R.: *Intermediate Microeconomics*, Eight Edition, New York: W.W. Norton, 2010, especially Chs. 31-34 and 36.
5. Jehle, G.A. and P.J. Reny: *Advanced Microeconomics*, 3<sup>rd</sup>. Edition, Harlow-Essex, Pearson, 2011, especially Chs. 4,5 and 6.
6. Kreps, D.M.: *Microeconomic Foundations I*, Princeton and Oxford: Princeton University Press, 2013, especially Chs. 8, 13 and 14.
7. Mas-Collel, A., M. D. Whinston and J. R. Green: *Microeconomic Theory*, New York: Oxford University Press, 1995, Especially Chs. 10-11, 15-16 and 21-23.
8. Varian, H. R.: *Microeconomic Analysis*, Third Edition, New York: W.W. Norton, 1992, especially Chs. 17 and 22-24.
9. Blaug, M.: “Fundamental Theorems of Welfare Economics-Historically Contemplated”, *History of Political Economy*, Summer 2007, Vol. 39(2), pp. 185-207.
10. Feldman, A. M. & R. Serrano: *Welfare Economics and Social Choice Theory*, 2<sup>nd</sup> Edition, Berlin: Springer, 2006 Ch. 3 (pp. 51-78) and Ch. 5 (pp. 93-118). [HB99.3.F45 2006] [Reserved]

**M.A. ECONOMICS**  
**SEMESTER – I**  
**PAPER – ECO- 105 (c) : Welfare Economics**  
**(Revised Syllabus with effect from 2021-2022)**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks**

**(5 x 4 = 20)**

1. Define the concepts of welfare and wellbeing.
2. Explain the concept of 'Rationality' with an example.
3. State the reasons for divergence between private costs and the social costs.
4. Explain the concept of externalities in consumption with an example.
5. List out the conditions for majority rule.
6. What is the need for interpersonal comparisons in welfare economics?
7. Briefly state the contributions of Barone to Welfare Economics.
8. Write a short note on Bergson's social welfare function.
9. State the criticisms leveled against the classical assumption of rational behavior.
10. Write a short note on Cognitive economics.

**SECTION – B**

**Answer all Questions. Each question carries equal marks**

**(5 x 12 = 60)**

- 11 (a). Discuss the nature, scope and limitations of welfare economics as a branch of study.  
**OR**  
(b). Illustrate the similarities and differences between "Positive Economics and Normative Economics" with examples.
- 12 (a). Explain the importance and limitations of Pigovian welfare economics.  
**OR**  
(b). Discuss the First Fundamental Theorem of Welfare Economics.
- 13 (a). Elucidate the optimality conditions of Pareto for the maximization of Social Welfare  
**OR**  
(b). Examine the contributions of Arrow-Debreu to Welfare Economics.
- 14 (a). State Scitovsky double criterion. How is it an improvement over Kaldor-Hicks' Compensation criterion?  
**OR**  
(b). Critically examine Samuelson's Utility Possibility Frontier.
- 15 (a). Discuss W. Kahneman and Tversky's Prospect theory on Optimal Decisions.  
**OR**  
(b). Elucidate Richard Thaler and Sunstein's Nudge theory.

**SEMESTER – I**

**ECO 106(A): ECONOMICS OF ENVIRONMENT  
(Revised Syllabus with effect from 2021-2022)**

**Unit-I: Nature and Scope of Environmental Economics**

Environmental Economics – Nature and Scope of Environmental Economics-Economic Growth and Environmental Degradation-Environmental Kuznets Curve - Limits to Growth-Sustainable Development - Environmental Quality and Economic Development.

### **Unit-II: Environmental Degradation and Resource Depletion**

Natural Resources – Renewable and Non-renewable Resources - Approaches to Natural Resources – Theories of Natural Resources–Depletion of Resources – Tragedy of Commons - Causes for Environmental Degradation.

### **Unit-III: Sources and Effects of Pollution**

Sources and Types of Pollution: Air, Water, Noise and Solid Waste Pollution – Industrial Pollution – Marine Pollution – Thermal Pollution – Nuclear Pollution – Urban Pollution – Effects of Environmental Pollution on Health, Economic and Social Aspects.

### **Unit-IV: Environmental Policy and Principles**

Objectives of Environmental Policy – National Environment Policy, 2006 – Policy Measures to Control Environment Pollution – Polluter-Pays-Principle–Pigovian Analysis of Externalities – Taxes and Subsidies – Pollution Permits – Hedonic Pricing Principle.

### **Unit-V: Environmental Laws and Management Strategies**

Environmental Laws and Regulations – Air Act, Water Act, Environment Protection Act and Wildlife Protection Act in India – Global Environmental Policies – International Conferences on Environment-Environmental Strategies: Development of Clean Production Technologies, Forest Conservation, Conservation and Management of Common Property Resources and Environmental Education – Social Forestry–Community Participation.

### **REFERENCES:**

1. Baumol, W.J. and W.E. Oates (1987), “Theory of Environment Policy” – Cambridge University Press, Cambridge.
2. Dales. J.H.(1968), Pollution, Property and Prices:- Toronto University Press, Toronto.
3. David Pearce. W.D(1998), “Economics and Environment–Essays on Ecological Economics and Sustainable Development”-Edward Elgar Publishers Ltd. UK.
4. Karpagam, M.(2006), “Environmental Economics”-Sterling Publishers Private Ltd, New Delhi.
5. Katar Singh and Anil Shishodia (2007), Environmental Economics-Theory and Applications- Sage Publications, New Delhi.
6. Rabindra N. Battacharya (2001), “Environmental Economics–An Indian Perspective”-Oxford University Press, New Delhi. \
7. Ulganathan sankar (2001), “Environmental Economics (Ed)”-Oxford University Press, New Delhi.
8. Chopra. K and Agarwal (1998), “Trade and Environment”-Working Paper, Delhi, IEG.
9. Cropper.M.L and W.E. Oates (1992), “Environmental Economics: A Survey”–Journal of Economic Literature, 30,675-740.
10. Raucher, M. (1997), “Environment and International Trade”-Oxford University Press, New York.
11. World Commission on Environment and Development (1987) “Our Common Future”-Oxford University Press, Oxford.
12. World Bank (1992), “World Development Report”.
13. World Bank (1999-2000), “World Development Report”.

**M.A. ECONOMICS**

**SEMESTER – I**

**PAPER – ECO- 106 (a) : Economics of Environment**

**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks**

**(5 x 4 = 20)**

1. Nature and Scope of Environmental Economics
2. Sustainable Development
3. Natural Resources
4. Renewable and Non-Renewable Resources
5. Types of Pollution
6. Industrial Pollution
7. Air and Water Pollution
8. Urban Pollution
9. Pigouvian Analysis of Externalities
10. Environmental Education

**SECTION – B**

**Answer all Questions. Each question carries equal marks**

**(5 x 12 = 60)**

- 11 (a). Discuss about Economic growth and Environmental Degradation

**OR**

- (b). Explain about Environmental Kuznets Curve

- 12 (a). Explain the relation between environmental quality and economic growth

**OR**

- (b). Briefly explain the causes of environmental degradation

- 13 (a). Discuss about the objectives of environmental policy

**OR**

- (b). Describe the National Environmental Policy 2006

- 14 (a). Explain the Environmental Protection Act

**OR**

- (b). Explain the global environmental Policies

- 15 (a). Discuss about the environmental conferences on environment

**OR**

- (b). Describe about the Conservation and management of Common Property Resources

**SEMESTER – I**  
**ECO 106(B) – DEMOGRAPHY**  
**(Revised Syllabus with effect from 2021-22)**

**Unit-I: Nature and Scope of Demography**

Definition, Nature and Scope of Demography – Demographic Thoughts – Demographic Analysis – Direct and Indirect methods of data collection – Theories of Population – Adam Smith, J.S. Mill, Malthus, Marx, Meade and Keynes – Optimum Population.

**Unit –II: Composition and Distribution of Population in India**

Decennial growth of Population and Stages of Demographic Transition in India- Crude Birth Rate and Death Rates – Migration, industrialization and Urbanization as determinants of population growth – sex and age-wise distribution of population – Rural and Urban population growth – Religion and Caste-wise growth of Population – Trends in population density.

**Unit-III: Fertility, Mortality and Migration in India**

Size of the family- Urban and Rural differentials- Social, cultural and psychological factors affecting fertility – Achievements in Total Fertility Rates - Causes and Indicators of Mortality – Relation between age, sex, marital status, education and migration in India.

**Unit – IV: Quality of Population in India**

Determinants of Quality of Population in India – Structural changes in Population – Demographic dividend - Trends in Life Expectancy at Birth and Gender differentials – Trends in Achieving Literacy Rates- Gender dimension of Literacy rates – Trends in Workforce and Labour force Participation Rates- Sectoral Employment of workers – Formal and Informal Sectors - Need for Skill Development.

**Unit-V: Government Initiatives and Population Policies in India**

Need for Population Control and Stabilization – Strategies to achieve Population stabilization – Role and progress of Family Planning Programme – Two-child Policy — Highlights of National Population Policy- 2000 – Janani Suraksha Yojana -2005 – Role of Accredited Social Health Activists (ASHA) – SANTUSHTI AND PRERANA Strategies – Rashtriya Kishore Swasthya Karyakram -2014- Population Projections-2016 and 2026.

**REFERENCES:**

1. Agarwala, S.N. (1972) India's Population Problem, Tata McGraw Hill , Bombay
2. Alok Ranjan Chaurasia and Ravendra Singh (2012) 40 Years of Planned Family Planning Efforts in India ([aranjan@shyam institute.in](mailto:aranjan@shyam institute.in) and [singhravendra@hotmail.com](mailto:singhravendra@hotmail.com))
3. Bogue ,J Donald , D.J. (1971) Principle of Demography, John Wiley , New York
4. Bose ,A. (1996) India's Basic Demographic statistics, B.R. Publishing corporation, New Delhi
5. Edward G. Stockwell and Associates (1976) The Methods and Materials of Demography, Academic Press, New York
6. FICCI and Ernst and Young (2012) Knowledge paper on Skill Development in India –Learner First Government of India (2009) Compendium of Selected Indicators of Indian Economy, Vol.II- Key Economic Indicators (Demography), Ministry of Statistics and Programme Implementation, New Delhi
7. Government of India (2014 ) Report on Education, Skill Development and Labour force, (2013-14) –Vol. III, Ministry of Labour and Employment, Chadigarh
8. Government of India (2014) Five Years (2009-14)-Achievements and New Initiates, Ministry of Health and Family Welfare, New Delhi



**M.A. ECONOMICS**  
**SEMESTER – I**  
**PAPER – ECO- 106 (b) : Demography**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Briefly explain the direct and indirect methods of data collection.
2. Briefly write about demographic thoughts.
3. What are the trends of population in India.
4. Explain the caste wise growth of population in India.
5. Briefly analyse the mortality rate between rural and urban areas in India.
6. Explain the role of education in rural development of India.
7. Explain the structural changes in population?
8. Explain the need for skill development in India.
9. Bring out the main elementary of population policy 2000?
10. Briefly write about the Janani suraksha Yojana scheme in India.

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Explain the nature and scope of demography  
**OR**  
(b). Describe the Adam Smith population theory.
- 12 (a). Explain the theory of demographic transition in India..  
**OR**  
(b). What are the causes for growth of population in India
- 13 (a). Explain the size of family between rural and urban areas?..  
**OR**  
(b). What are the causes and indicators of mortality in India
- 14 (a). Explain the determination of quality of population in India..  
**OR**  
(b). Describe the employment level in formal and informal sector in India.
- 15 (a). What are the Measures to control of population explain.  
**OR**  
(b). Explain the role and progress of family planning programmes in India

**SEMESTER – I**  
**ECO 107: Human Values and Professional Ethics – I**  
**(Revised Syllabus with effect from 2021-2022)**

**UNIT-I:** Definition and Nature of Ethics-Its relation to Religion ,Politics, Business, Legal, Medical And Environment, Need And Implementation Ethics-Goals-Ethical Values in Various Professions.

**UNIT-II:** Nature Of Values-Good and Bad, Ends and Means, Actual and Potential Values, Objectives and Subjective Values ,Analysis Of Basic Moral Concepts-rights, Ought, Duty, Obligation, Justice. Responsibility and Freedom. Good Behavior and Respect for Elders, Character and Conduct.

**UNIT-III:** Ahimsa (Non-Violence), Satya (Truth),Brahmacharya (Celibacy),Asteya (Non-possession) and APARIGRAHA (Non-stealing).Purusharthas (Cardinal virtues)-Dharma (Righteousness), Artha (Wealth ), Kama(Fulfillment bodily desires).Moksha (Liberation)

**UNIT-IV:**Bhagavad Gita-(a) Niskama karma.(b).Buddhism-The four noble truths-Arya Astanga marga, (c) Jainisam- mahavratas and anuvratas. Values embedded in various religions, Religious tolerance, Gandhian ethics.

**UNIT-V:** Crime and Theories or punishment-(a) Reformative, Retributive and Deterrent ,(b) Views on manu and Yajnavalkya.

**References:**

1. R.Subramanian ,Professional Ethics, Oxford University Press.
2. Joha S Mackenjie:A Manual Of Ethics.
3. The Ethics of Management by Larue Tone Hosmer.Richard D.Irwin Lnc.
4. Management Ethics Integrity at Work by Joseph A.Petrick and John F.Quinn.Respons Books;New Delhi.
5. "Ethics in Management" By S.A.Sherlekar, Himalaya Publication House.
6. Harold H.Titus ; Ethics For Today.
7. Maitra,S.K;Hindu Ethics.
8. William Lilly;Introducation Ethics.
9. Sinha: A Manual of Ethics.
10. Manu:Manava Dharma Sastra or the Institute of Manu:Comparising the Indian Syastem of Duties :Raligious and civil (ed.) G.C.Halighton.
11. Susrpta samh ita: Tr.Kaviraj Kunjanlal , Kunjalal Brishagratha .Chowkarnaba Sanskrit series. Vol LII and III , Varanasi , Vol I 00, 16'20,21-32 and 74-77 only.
12. Caraka samhita :Tr.Dr.Ram karan sarma and vaidya bhagavan dash, Chowkarnaba Sanskrit series office. Varanasi I,11.111 Vol IPP 183-191.
13. Ethics, Theory and contemporary issues.Barbara mackinnon wadsworth / Thomsaon learning, 2001.
14. Analyzing moral.issues,Judith A.Boss.May Field Publishing Company-1999.
15. An introduction to applied ethics(ed.)John H.Piet and Ayodhya Prasad.cosmo publications.
16. Text book for intermediate first year ethics and human values. Board of intermediate education-Telugu-academy, Hyderabad.
17. I.C.Sharma ethics philosophy of india.Nagin & co julundhar.

**SEMESTER – I**  
**M.A. ECONOMICS**  
**PAPER – ECO- 107 : Human Values and Professional Ethics-I**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Define the nature and scope of Ethics?
2. Explain Ethics and its relation to Religion and Environment?
3. Examine Actual and Potential Values?
4. Responsibility and Freedom?
5. Aparigraha and Asteya.
6. Niskama karma.
7. Religious tolerance.
8. Gandhian Ethics.
9. Explain crime and punishment?
10. Views on Manu.

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). What are the Needs and Implementation of Ethics?  
**OR**  
(b). Explain the Goals and Ethical Values in Various Professions?
- 12 (a). Examine the Basic moral concepts/  
**OR**  
(b). Explain the Nature of Values, Good and Bad, End and Means, Character and Conduct?
- 13 (a). What are the purusharthas? Explain it?  
**OR**  
(b). Explain the Ahimsa, Satya, Bramhacharya?
- 14 (a). Examine the Buddhism Four Noble truths?  
**OR**  
(b). Briefly explain the Jainism?
- 15 (a). Explain the Crime and theories of Punishment?  
**OR**  
(b). Examine the reformative and retributive?

**SEMESTER – II**  
**ECO 201: MICRO ECONOMIC ANALYSIS – II**  
**(Revised Syllabus with effect from 2021-22)**

**Unit 1: Modern Theories Of The Firm**

Baumol's Sales Revenue Maximization Model–Marris' Model of the Managerial Enterprise–Williamson's Model of Managerial Discretion–Bain's Limit Pricing Theory –Recent Developments in the Theory of Limit Pricing: The Models of Sylos-Labini–Franco Modigliani and Bhagwati.

**Unit 2: Theories Of Distribution**

Theories of Distribution:- Ricardo, Karl Marx, Neo-Classical Theory(Marginal Productivity Theory) Kaldor-Factor Pricing in Perfect and Imperfect Competitive Markets–Adding up Problem and Euler's Theorem.

4

**Unit 3: General Equilibrium**

Meaning of Equilibrium–Static and Dynamic Equilibrium–Stable and Unstable Equilibrium – Partial and General Equilibrium – General Equilibrium of Exchange and Consumption–General Equilibrium of Production and Exchange–General Equilibrium and Relative Prices.

**Unit 4: Welfare Economics**

Pigovian Welfare Economics–Pareto-Optimal Conditions–Kaldor - Hicks Compensation Principle – Social Welfare Function – The Theory of Second Best.

**Unit 5: Advanced Topics In Modern Micro Economics**

Game Theory–Two Person Constant and Zero Sum Game–Linear Programming Graphical Solution - Input–Output Analysis–Static and Dynamic Models.

**REFERENCES**

1. Koutsoyiannis, A., 1979, Modern Micro Economics, (2<sup>nd</sup> Edition), Macmillan Press, London.
2. Archibald, G.C. (Ed), 1971, Theory of the Firm, Penguin, Harmonds Worth.
3. Mishan, E.J. 1969, Welfare Economics: An Assessment, Noeth Holland, Amsterdam.
4. Green, H. and V.Waish, 1975, Classical and Neo Classical Theories of General Equilibrium, Oxford University Press, London
5. Quirk. J. and R.Saposnik, 1968, Introduction to General Equilibrium Theory and Welfare Economics, McGraw Hill, New York.
6. Weintrub, E.R., 1974, General Equilibrium Theory, Macmillan, London.
7. Broadway, R.W. and N.Bruce, 1984, Welfare Economics, Basil Blackwell, London.
8. Pigou, A.C., 1920, Economics of Welfare, Macmillan and Co. London.
9. Little I.M.D., 1975, A Critique of Welfare Economics, (2<sup>nd</sup> Edition), Oxford University Press, Oxford.
10. Ahuja, L., 2000, Advanced Economic Theory: Micro Economic Analysis, S.Chand and Company, New Delhi.

**M.A. ECONOMICS**  
**SEMESTER – II**  
**PAPER – ECO- 201 : Micro Economics Analysis - II**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Explain the concept of Limit Pricing?
2. Expound Sylos-Labine models of Limit Pricing?
3. Discuss the concept of Eulers Thereon?
4. What is Marginal Physical Product?
5. Illustrate Ricardo's Theory of Distribution?
6. Critically examine Karl Mark's theory of distribution?
7. Explain 'General Equilibrium'?
8. Explain the concepts of Social Welfare Function?
9. Distinguish between Static and Dynamic Equilibrium?
10. Decribe the 'Zero Seem Game'?

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Discuss Baumol's Revenue Maximisation Model of the Firm?  
**OR**  
(b). Elucidate Maris' model of the managerial enterprise?
- 12 (a). Elucidate Williamson's model of managerial discretion?  
**OR**  
(b). Expound the Neo-Classical theory of distribution?
- 13 (a). Discuss exchange and consumption under general equilibrium?  
**OR**  
(b). Describe production and exchange under general equilibrium
- 14 (a). Discuss the Pigovian Principles of Welfare Economics?  
**OR**  
(b). Illustrate Pareto Optimal Conditions?
- 15 (a). Explain linear programming with graphic examples?  
**OR**  
(b). Examine the significance of input-output analysis?

**SEMESTER – II**  
**ECO 202: MACRO-ECONOMIC ANALYSIS – II**  
**(Revised Syllabus with effect from 2021-22)**

**Unit 1: Demand For Money**

The Classical View–Quantity Theory Of Money–Keynes’ Theory Of Demand For Money–Post Keynesian Theories of Demand for Money: Tobin, Friedman and Baumol–Integration of Monetary Theory and Value Theory: Keynes and Don Patinkin.

**Unit 2: Supply Of Money**

Concept of Money Supply–Components of Money Supply–RBI Approach to Money Supply–High Power Money and Money Multiplier–Changes in the Supply of Money.

**Unit 3: Business Cycles**

Types of Trade Cycles–Different Theories of Trade Cycles: Samuelson–Hicks and Kaldor–Control of Business Cycles: Monetary and Fiscal Policies.

**Unit 4: Theories Of Inflation**

Types of Inflation : Demand–Pull Inflation–Cost–Push Inflation–The Phillips Curve– The Inflation and Unemployment Trade off–The Monetarists Accelerationists’ Hypothesis– Rational Expectations Hypothesis.

**Unit 5: Macroeconomics Policies**

Objectives of Macro-Economic Policies–Objectives and Tools of Monetary Policy–Evaluating Monetary Policy: The Policy of Activists and Non-Activists Arguments–Fiscal Policy: Objectives and Tools–Automatic Stabilizers–Problems in the Implementation of Fiscal Policies–Relative Effectiveness of Monetary and Fiscal Policies.

**REFERENCES**

1. Ackley, G., Macro-Economic Theory, Macmillan.
2. Branson, W.B., Macro-Economic Theory and Policy.
3. Branson, W.H. and Litvack, J.M.P., 1981, Macro Economics, Harper and Row.
4. Edward Shapiro, Macro economic Analysis, 5<sup>th</sup> Edition, New Delhi, Galgotia Publications.
5. Friedman, M.(ed). The Quantity Theory of Money – A Restatement of Studies in the Quantity Theory of Money.
6. Gupta, S.B., 1983, Monetary Economics, Chand and Co.
7. Hicks, J.R., Mr.Keynes and the Classicals: A Suggested Interpretation, Econometric, April, 1937.
8. Hicks, J.R., Critical Essays in Monetary Theory.
9. Johnson, H.G., Essays in Monetary Economics.
10. Lila J.Truett and Dale B.Truett, Macro economics, Times Mirror/ Mosby College Publishing St. Louis.
11. Rosalind Levacic and Alexander Rebthann, 1982, Macro economics : The English Language Book Society and Macmillan.
12. Rogar L.Miller and Robert Pulsinelli, Macro economics

**M.A. ECONOMICS**  
**SEMESTER – II**  
**PAPER – ECO- 202 : Macro Economics Analysis - II**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Nature and Scope of Environmental Economics
2. Sustainable Development
3. Natural Resources
4. Renewable and Non-Renewable Resources
5. Types of Pollution
6. Industrial Pollution
7. Air and Water Pollution
8. Urban Pollution
9. Pigouvian Analysis of Externalities
10. Environmental Education

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Discuss about Economic growth and Environmental Degradation

**OR**

- (b). Explain about Environmental Kuznets Curve

- 12 (a). Explain the relation between environmental quality and economic growth

**OR**

- (b). Briefly explain the causes of environmental degradation

- 13 (a). Discuss about the objectives of environmental policy

**OR**

- (b). Describe the National Environmental Policy 2006

- 14 (a). Explain the Environmental Protection Act

**OR**

- (b). Explain the global environmental Policies

- 15 (a). Discuss about the environmental conferences on environment

**OR**

- (b). Describe about the Conservation and management of Common Property Resources

**SEMESTER – II**  
**ECO 203: FEDERAL FINANCE**  
**(Revised Syllabus with effect from 2021-22)**

**Unit 1: Fiscal Policy**

Role of State in Economic Performance: Classical and Modern Views-Objectives of Fiscal Policy –Role of Fiscal Policy in Developed and Developing Economies–Balanced and Unbalanced Budget Multipliers–Built-in Stabilishers-Long–Term Fiscal Policy in India.

**Unit 2: The Theory Of Federal Finance**

Principles of Multi-Unit Finance and Problems of Federal Finance-Theory of Fiscal Federalism-Vertical and Horizontal Imbalances-Theory of Grants-Conditional and Unconditional Grants – Matching Vs. Non-Matching Grants–Income and Substitution Effects of Grants–Grants and Subsidies– Allocative and Equity Effects.

**Unit 3: Federal Fiscal Systems**

Federal Fiscal Relations in Australia, Canada and USA – A Comparative Analysis with the Indian Scenario-Functions of Finance Commission-Recommendations and Approaches of the Thirteenth and Fourteenth Finance Commissions-Reforms of Federal Finance.

**Unit 4: Government Budget**

Theory of Government Budgeting: Classical and Modern Views-Budget Classification: Functional and Economic Classification-Programme and Performance Budgeting-Zero-Based Budgeting-Budget Reforms – Fiscal Crisis in India – Reforms to Control Revenue Deficit-Fiscal Deficit and Budgetary Deficit in India.

**Unit 5: Local Finance**

Significance of Local Finance–Revenue and Expenditure of Local Bodies-Financial Strengthening of Urban and Rural Local Bodies through Devolution of Funds from Central and State Governments.

**REFERENCES**

1. Musgrave R.A.and Musgrave P.B., 1976, Public Finance in Theory and Practice, McGraw Hill, Tokyo.
2. Musgrave R.A., 1976, Theory of Public Finance, A Study of Public Finance, McGraw Hill,Tokyo..
3. Chellaiah Raja, J., 1971, Fiscal Policy in Under Developed Countries with Special Reference to India,George Allen and Unwin, London.
4. American Economic Association,1971,Readings in Fiscal Policy, George Allen and Unwin, London.
5. Gulati I.S., 1979, Centre State Financial Relations, M.S. University of Baroda.
6. Bhargava R.N., 1971, The Theory and Practice of Union Finance in India, Chaitanya Publishers, Allahabad.
7. Dwivedi D.N., 1975, (Ed), Readings in Indian Public Finance, Chanakya Publishers, New Delhi.
8. Chellaiah Raja J.(Ed), 1981, Trends and Issues in India's Federal Finance, National Institute of Public Finance and Policy, New Delhi.
9. Lakadawala D.T., 1969, Union State Financial Relations, Lalwani Publishers House,Mumbai.
10. Mundle S., 1999, Public Finance, Policy Issues for India, Oxford University Press, New Delhi.
11. Dalton, Hugh, 1971, Principles of Public Finance, Allied, Bombay.
12. Herbert Bernard P., 1971, Modern Public Finance, A Study of Public Sector Economics, Irwin, INC, Homewood.
13. John C. Winfrey, Public Finance (Public Choices and Public Economy) Harper & Row, Publishers, New York.
14. Philip E. Taylor, Economics of Public Finance, Oxford & IBH Publishing Co., New Delhi.
15. Phillips A and O.E. Williamson (Eds), 1967 Prices, Issues in Theory. Practice and Public Policy, University of Pennsylvania Press, Philadelphia.
16. Economic Surveys, Government of India, New Delhi.



**M.A. ECONOMICS**  
**SEMESTER – II**  
**PAPER – ECO- 203 : Federal Finance**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks**

**(5 x 4 = 20)**

1. Objectives of Fiscal Policy?
2. What are the main causes for Low Deficit Finance in India?
3. Matching Vs. Non-Matching Grants.
4. Balanced and Unbalanced Budget?
5. What are the various problems of Federal Finance?
6. Principles of Multi-Unit Finance?
7. The Reforms of federal finance in India?
8. Fiscal federalism?
9. Zero based Budgeting
10. Significance of Local Finance

**SECTION – B**

**Answer all Questions. Each question carries equal marks**

**(5 x 12 = 60)**

- 11 (a). Explain the Role of Fiscal Policy in India  
**OR**  
(b). What are the functions and performance of finance commission?
- 12 (a). Describe about Grants and Subsidies  
**OR**  
(b). Fiscal crisis in India-Discuses?
- 13 (a). Discuss about Balanced and Unbalanced Budget Growth?  
**OR**  
(b). What is classical and modern views on Fiscal policy?
- 14 (a). Briefly write on budget classification?  
**OR**  
(b). Explain the Revenue and Expenditure of local bodies?
- 15 (a). What are the functions of 14<sup>th</sup> Finance Commission in India?  
**OR**  
(b). Explain the reforms of federal finance in India?

## SEMESTER – II

### ECO 204: STATISTICAL METHODS IN ECONOMICS (Revised Syllabus with effect from 2021-22)

#### Unit-I: Correlation and Regression

Meaning - Assumptions and Limitations of Simple Correlation, Karl Pearson Coefficient of Correlation and Spearman's Rank Correlation-Coefficient-Simple Regression – Lines of Regression and Properties of Regression Coefficient.

#### Unit-II: Probability and Theoretical Distributions

Concept of Probability – Various Types of Events: Classical and Empirical Definitions of Probability – Laws of Addition and Multiplication of Probability (statements only) – Conditional Probability – Theoretical Distributions – Binomial – Poisson and Normal Distributions.

#### Unit-III: Sampling Theory

Basic Concept of Sampling-Random and Non-Random Sampling-Simple Random – Stratified Random – Systematic and P.P.S. Sampling Techniques.

#### Unit-IV: Hypothesis Testing

Formulation of Statistical Hypotheses – Null and Alternative – Goodness of Fit – Confidence Intervals and Level of Significance – Hypothesis Testing based on t,  $X^2$  (Chi-Square) and F-tests.

#### Unit-V: Index Numbers and Time Series

Concept of Index Numbers-Uses and Construction of Index Numbers-Simple and Weighted Index Numbers – Laspeyer's, Paasche's and Fisher's Methods - Tests for Ideal Index – Time Series Analysis – Components of Time Series – Determination of Trend – Least Square Method.

#### REFERENCES:

1. Chou, Y., 1975, Statistical, Holt, Rein Hart and Winston, New York.
2. Croxton, Crowdenm and Klein, 1971, Applied General Statistics, Prentice Hall of India, New Delhi.
3. Goon, A.M., Gupta, M.K and Dasgupta, B., 1993, Fundamentals of Statistics, Vol.1, The World Press Ltd., Calcutta.
4. Guptha, C.B., 1981, Statistical Methods, Vikas Publishing House, New Delhi.
5. Guptha, S.B., Fundamentals of Statistics, Himalaya Publications.
6. Guptha, S.P., Introduction to Statistical Methods, Sulthan Chand & Sons, New Delhi.
7. Hoog, R.V. and Craig, A.T., 1970, Introduction to Mathematical Statistics (3<sup>rd</sup> Edition) Macmillian Publishing Co., New York.
8. Nagar, A.L. and Das R.K., 1993, Basic Statistics, Oxford University Press Ltd., New Delhi.

**M.A. ECONOMICS**  
**SEMESTER – II**  
**PAPER – ECO- 204 : Statistical Methods in Economics**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks**

**(5 x 4 = 20)**

1. State different types of correlation.
2. Distinguish between Correlation and Regression.
3. Define probability. Explain the conditional probability.
4. State the properties of Normal Distribution.
5. Explain the advantages of sampling over the census method.
6. Why stratified random sampling method is better than the simple random sampling?
7. Discuss the test for the consistency of Index Numbers.
8. Review the components of time series.
9. Explain the large sample tests and small sample tests.
10. Explain the terms null hypothesis, level of significance.

**SECTION – B**

**Answer all Questions. Each question carries equal marks**

**(5 x 12 = 60)**

- 11 (a). What do you mean by correlation? What is its significance? Does the existence of correlation always signify causal relationship between the two variables.

**OR**

- (b). For the given data, calculate two regression equations:

	Advertisement Cost (In Rs.)	Sales (In Rs.)
	X	Y
Mean	20	120
S.D	5	25

The correlation coefficient  $r=0.08$ .

- 12 (a). A bag contain 12 blue balls, 7 green balls and 4 red balls. Find the probability of drawing:
- i). One blue ball    ii). Three Green Balls    and    iii). Three balls one each color.

**OR**

- (b). Explain a normal distribution and state the properties of normal distribution.

- 13 (a). Explain the terms random sample, stratified sample and purposive sample. Explain the importance of normal theory in Economics.

**OR**

- (b). Distinguish between Random and Non-Random Sampling designs.

- 14 (a). Fit a straight line trend to the following data and hence estimate the production for the year 2024.

Year	2017	2018	2019	2020	2021
Production (in tons)	80	90	92	83	94

**OR**

- (b). Fishers Index number is an Ideal Index number – Justify.

- 15 (a). What is student t-distribution? How is it used a test of significance.

**OR**

- (b). A die is thrown 180 times with the following results.

Number turned up	1	2	3	4	5	6
Frequency	25	35	40	22	32	26

Test the hypothesis that the die is unbiased (use  $\chi^2$  test)

**SEMESTER – II**  
**ECO 205(A): INTERNATIONAL TRADE: THEORY AND POLICY**  
**(Revised Syllabus with effect from 2021-22)**

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

The Pure Theory of International Trade – Theories of Absolute Advantage and Comparative Advantage – Empirical Testing of Theories – Heckscher – Ohlin Theory of Trade – Leontief Paradox – Factor Price Equalization Theorem.

**Unit-II: Imperfect Competition and International Trade**

Intra – Industry Trade – Neo-Heckscher – Ohlin Model – Neo-Chamberlin Model – Kravis and Linder Theory of Trade – Role of Dynamic factors in Trade (Alternative Theories of Trade) – Vent for Surplus – Availability, Changes in Tastes, Technology.

**Unit-III: Terms of Trade and Gains from Trade**

Concepts of Terms of Trade – Terms of Trade and Economic Growth – Model of Economic Growth and International Trade – Singer – Prebisch Theory and Terms of Trade – Rybenzynski Theorem – Immiserizing Growth.

**Unit-IV: Theory of Trade Policy**

Free Trade Vs. Protectionism – Trade Restrictions – The Theory of Tariffs – The Stolper-Samuelson Theorem - Tariffs and Income Distribution – Tariffs - The Terms of Trade and Domestic Prices – Political Economy of Non-Tariff Barriers – Effects of Quotas – FERA and FEMA – Import Substitution Vs. Export Promotion.

**Unit-V: International Economic Integration**

Forms of Economic Co-operation – Free-Trade Area – Customs Union – Common Market – Economic Unions – European Union – SAARC – ASEAN – International Monetary Fund – Regionalism – Multilateralism – World Trade Organization – Recent Issues at WTO Ministerial Conferences - Gains and Problems of Developing Countries from WTO.

**REFERENCE:**

1. Bhargawathi, J.N., International Trade : selected readings.
2. Bhargawathi, J.N. and Panagaria., Lectures on International Trade.
3. Flemming, M.J., Domestic financial Policies Under Fixed and Floating Exchange Rates.
4. Haberler, G., Theory of International Trade.
5. Johnson, H.G., New Trade Strategy for the World Economy.
6. Kindelberger, C.P., International Economics.
7. Lipsey, R.G., Theory of Customs Union.
8. Meade, J.E., Balance of Payments.
9. Michaely, Theory of Commercial Policy.
10. Sodersten B.O. and Reed, G. International Economics.
11. Salvatore, D., International Economics.
12. W.T.O., Regionalism and the World Trade Systems.

**M.A. ECONOMICS**  
**SEMESTER – II**  
**PAPER – ECO- 205 (a) : International Trade : Theory and Policy**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Explain the Concept of “Absolute Advantage” with a simple numerical example.
2. Distinguish between gains from exchange and gains from specialization.
3. State Linder’s Preference Similarity theory of international trade.
4. Give an account of Kravis’ Availability theory.
5. Distinguish between Gross Barter and Net Barter Terms of Trade.
6. What is Immiserizing Growth?
7. How do you measure the deadweight cost of protection?
8. Write a short note on FEMA.
9. Distinguish between Trade Creation and Trade Diversion with numerical example.
10. What are the major provisions of India’s New Patent Act of 2005?

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Analyse the gains from international trade according to Ricardo’s Comparative Advantage.

**OR**

- (b). State and prove Factor Price Equalization Theorem.

- 12 (a). How did Felvey incorporate the intra-industry trade within the framework of Heckscher-Ohlin Theorem?

**OR**

- (b). “Comparative Advantage is not a permanent one; it can change over the lifecycle of a product”. Elucidate the statement.

- 13 (a). Critically examine the Secular Deterioration thesis.

**OR**

- (b). Discuss the Hicksian theory of Terms of Trade and Economic Growth due to technical progress.

- 14 (a). Illustrate the effects of Tariff using partial equilibrium approach.

**OR**

- (b). State and prove Stolpher –Samuelson theorem.

- 15 (a). Analyse the different stages of economic integration with examples.

**OR**

- (b). Evaluate the functioning of WTO with special reference to the developing countries.

**SEMESTER - II**  
**ECO 205(B): ECONOMICS OF INFRASTRUCTURE**  
**(with effect from the academic year 2021-22)**

**Unit 1: Infrastructure And Economic Development**

Meaning and Definition of Infrastructure–Types of Infrastructure–Economic and Social Infrastructure–Approaches to Infrastructure–Traditional and Modern Approaches – Infrastructure and Economic Development.

**Unit 2: Infrastructure And Public Utilities**

Infrastructure as a Public Good–Special Characteristics of Public Utilities– Performance of Education, Health and Housing in India–Marginal Cost Pricing in Public Utilities–Cost Subsidization– Free Prices, Equity and Efficiency.

**Unit 3: Economics Of Transportation And Communications**

Sources and Importance of Transportation and Location of Economic Activities–Performance of Railways in India–Importance of Communications–New Telecom Policy-1999 – Telephone Regulatory Authority of India (TRAI) Telecommunications in Rural India.

**Unit 4: Economics Of Energy**

Energy Needs of India–Importance of Energy in Economic Development–Factors Determining the Demand for Energy–Sources of Energy-Renewable and Non-Renewable Sources–Trends in the Production and Consumption of Commercial Energy– Energy Crisis – Measures to Tackle the Energy Problem in India.

**Unit 5: Electricity, Gas and Water Supply**

Sources of Electricity–Thermal–Hydel–Nuclear–Growing Importance of Wind and Solar Energy–Production and Consumption of Natural Gas–Rural Drinking Water– Measures to improve Electricity, Gas and Water Supply.

**REFERENCES:**

1. Crow, M.A. and R.D.Kleindorfer, 1979, Public Utility Economics, Macmillan, London.
2. Nelson, J.R., 1964, Marginal Cost Pricing in Practice, Prentice Hall, England-Cliffs.
3. Philips, A and O.F. Williamson (Eds), 1967, Prices: Issues in Theory, Practice and Public Policy, University of Pennsylvania Press, Philadelphia.
4. Kneafsey, J.T., 1975, Transportation Economic Analysis, Lexington Books, Toronto.
5. Aronofsky, J.A and M.Shakum, Eds, 1978, Energy Policy, North Holland, Amsterdam.
6. Macrakis, MS.Ed., 1974, Energy Demand Coneservation and Institution Problems, Macmillan, London.
7. Nordhavs, W.P., Ed., 1974, International studies of the demand for energy, North Holland, Amsterdam.
8. Pachauri, R.K., Ed., 1989, Energy Policy for India, Macmillan Co. of India, Delhi.
9. Turvey, R and D. Anderson, 1977, Electricity Economics, John Hopkins, Baltimore

**M.A. ECONOMICS**  
**SEMESTER – II**  
**PAPER – ECO- 205 (b) : Economics of Infrastructure**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. What is infrastructure meaning and Definition?
2. What do you mean by non-conventional sources of energy?
3. New Telecom Policy 1999?
4. What is morbidity?
5. What are the sources of Energy?
6. What is the cost subsidization?
7. Which type of performance of Health?
8. Consumption of Natural Gas?
9. Explain the performance of railway's
10. What are the infrastructure public Utilities?

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Explain the two categories into which infrastructure are divided. How are both interdependent?  

**OR**

(b). Write few lines about power distribution supply in national capital of India?
- 12 (a). Why infrastructure is called the support system on which depends the efficient working of a modern industrial economy?  

**OR**

(b). Write the difference between commercial and non-commercial sources of energy?
- 13 (a). What are the challenges faced by power and Tele communication sectors in India?  

**OR**

(b). What do you mean by the term 'AYUSH'?
- 14 (a). How has women's health become a matter of great concern?  

**OR**

(b). What is the state of rural infrastructure in India?
- 15 (a). What are the indicators of health status of a country?  

**OR**

(b). How can we increase the effectiveness of health care programmes?

## SEMESTER - II

### ECO 205(C): INFORMATION TECHNOLOGY AND ITS APPLICATIONS (with effect from the academic year 2021-22)

#### MODULE –I: THE INTERNET AND WORLD WIDE WEB

Types of Net Work, LAN and WAN Topology, LAN Components, Internet - History of the Internet, Internet Protocols - World Wide Web (WWW) – Browsing the Web – Internet Addresses – URLs – http-https - Features of the Internet - Setting up of Websites – Bandwidth – Internet Multimedia – YouTube – Internet Phone - Uses and abuses of Internet.

#### MODULE – II: COMMUNICATIONS – THE ELECTRONIC WEB

Voice Mail – Online services – Electronic Mail – Group Communications - Mailing Lists – Internet relay chat – Video Conferencing – Uploading and downloading files and attachments - ASCII and Binary Files – Shared disks – FTP on the internet.

#### MODULE III: INFORMATION TECHNOLOGY AND MULTIMEDIA

Multimedia in Education and Training – Content Development, uploading and sharing – Multi-media in Entertainment – Audio and Video songs and movies – File sizes, compression image sizes and quality – video editing – Virtual Reality Modeling Language (VRML) – Web TV.

#### MODULE IV: INFORMATION TECHNOLOGY IN BUSINESS

Information Tools for Management Control – Online Analytical Processing – Data warehousing and data mining – Digital printing – Internet Advertising –Presentations and Demos – Electronic Data interchange (EDI) – Computer Aided Design (CAD) and Computer Aided Manufacturing (CAM) – Online Marketing and Electronic Commerce – Amazon- Flipkart.

#### MODULE V: PERSONAL, SOCIAL AND ETHICAL ISSUES

Computer and human Health – Electromagnetic Radiation – Viruses – Leading Viruses – Browser Security – Macro Viruses – Copy Right and Plagiarism – Computer Crimes – phishing – Cryptography – The internet Privacy – Single Key Cryptography – The Electronic Supervisor – Censorship in internet.

#### READING LIST:

1. Dennis P. Curtin, Kim Foley, Kunal Sen and Cathleen Morin (1999), *Information Technology: The Breaking Wave*, New Delhi: Tata McGraw-Hill Edition.
2. Vishal Soni (2008): Fundamentals of Computers, Himalaya Publishing House, New Delhi.
3. Sinha PK (1992): Computer Fundamentals, BPB Publications, New Delhi.
4. Raja Raman V (2000): Fundamentals of Computers, Prentice Hall of India, New Delhi.
5. P Mohan (2004): Fundamentals of Computers, Himalaya Publishing House, New Delhi.
6. Prashanth Lakkadwala (2011): Basic Computer Engineering, BS Publications, Hyderabad.
7. BN Mallikarjuna Rao (2012): Fundamentals of Computers, SVBD, Vijayawada.



**M.A. ECONOMICS**  
**SEMESTER – II**  
**PAPER – ECO- 205 (c) : Introduction of Information Technology**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Distinguish between LAN and WAN.
2. State the importance of https in internet browsing.
3. State the uses of e-mail.
4. Write short note on binary files.
5. State the need for compressing files video files.
6. Write short note on web –TV.
7. What is data mining?
8. Explain the concept of CAM.
9. What are the harmful effects of Electromagnetic Radiation?
10. What do you mean by Phishing?

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Discuss the evolution of internet during the last 20 years in terms of quantity and quality.  
**OR**  
(b). What is internet? What are its features? How is a website designed?
- 12 (a). What is electronic mail? How is it used for group communications? What are its merits and demerits?  
**OR**  
(b). Discuss the methods of uploading and downloading attachments with email.
- 13 (a). What is content development? How is it uploaded and shared with the stakeholders?  
**OR**  
(b). Elucidate the methods of reducing the size of video files without compromising their quality.
- 14 (a). “Information technology is a tool for effective management”. Substantiate the statement.  
**OR**  
(b). Analyse the growing importance of online trading and e-commerce in recent years.
- 15 (a). Write an essay on the growing menace of viruses as a threat to information technology.  
**OR**  
(b). Discuss the need for ethical values in the use of online resources.

**SEMESTER - II**  
**ECO 206(A): BASIC ECONOMETRICS**  
**(with effect from the academic year 2021-22)**

**Unit 1: Nature of Econometrics and Economic Data:**

Definition of Econometrics – Steps in Empirical Economic Analysis - Econometric Model – The Role of Measurement in Economics – The Structure of Economic Data: Cross-Sectional data, Time Series data, Pooled Cross Section data, Panel Data.

**Unit 2: Simple Regression Model:**

Two Variable Linear Regression Model: Assumptions, Estimation of Parameters, Tests of Significance and Properties of Estimators – Functional forms of Regression models – Log-linear models, Semi log- models and Reciprocal models – Choice of Functional Form.

**Unit 3: The General Linear Model:**

Matrix approach to three variable General Linear model - Review of Assumptions, Estimation and Properties of Estimators: Un-biasness, BLUEs and Tests of significance of estimates – Analysis of Variance - Dummy variables - Nature of Dummy variables – Use of Dummy Variables.

**Unit 4: Violation of Assumptions in the Classical Linear Models:** Heteroskedasticity - Testing for Heteroskedasticity – Consequences – Solution to the problem - Multi co-linearity – Methods of identification – Consequences – Solution to the problem – Auto or serial correlation –Testing for Serial Correlation – Durbin-Watson d-statistic - Consequences – Solution to the problem –Auto Regressive Model.

**Unit 5: Simultaneous Equation Models:**

Specification – Simultaneous Bias – Inconsistency of OLS Estimators - The concept of Identification, Rank and Order conditions for Identification – Indirect Least Squares - Two stage Least Squares (without proof), Problems.

**TEXT AND REFERENCE BOOKS:**

1. Johnston, J: **Econometric Methods**, McGraw-Hill Book Co., New York.
2. Maddala, G.S: **Econometrics**, McGraw-Hill Book Co., New York, 3rd Rd.
3. Gujarathi, D.N: **Basic Econometrics**, Fourth Edition, Tata McGraw-Hill, New Delhi.
4. Tintner, G: **Econometrics**, John Wiley & Sons, New York.
5. Koutiannis, A. **Econometrics**,
5. Wooldridge, Jeffery M: **Econometrics**, Cengage Learning India Pvt. Ltd, New Delhi

**M.A. ECONOMICS  
SEMESTER – II  
PAPER – ECO 206(A): BASIC ECONOMETRICS  
(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Define Econometrics. How is it different from Mathematical Economics?
2. What is Time Series Data? Give examples.
3. State the Assumptions of Classical Simple Linear Regression Model.
4. Explain the meaning and significance of  $R^2$ .
5. State the assumptions of General Linear Regression model.
6. What are the limitations of Regression Analysis with Dummy variables?
7. Outline the consequences of the problem of Multicollinearity on the OLS estimators.
8. Briefly explain the White Test for Heteroskedasticity.
9. What is Simultaneous Equation bias?
10. Explain the method of Indirect Least Squares.

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Discuss the nature, scope and limitations of Econometrics  
**OR**  
(b). Distinguish between Time Series data and Cross section data and discuss the relative merits and demerits.
- 12 (a). Explain the method of estimation of simple linear regression model through OLS method.  
**OR**  
(b). Discuss different functional forms used in regression analysis and their applications in economics.
- 13 (a). Discuss the properties of OLS estimators of a General Linear Model and prove that they are BLUE.  
**OR**  
(b). Explain the method of fitting Regression equation with dummy variables.
- 14 (a). What is Heteroskedasticity? What are its consequences? How do you overcome them?  
**OR**  
(b). Explain the Durbin-Watson test to detect the auto-correlation.
- 15 (a). What is Simultaneous bias? What are its consequences?  
**OR**  
(b). Explain the order and Rank conditions for the identification of equations.

**SEMESTER – II**  
**ECO 206(B): ECONOMICS OF TOURISM**  
**(Revised Syllabus with effect from 2021-2022)**

**Unit : 1 Nature, Scope And Composition Of Tourism:** Meaning And Definition Of Tourist and Tourism- Historical Perspective of Tourism in India- Types and Forms of Tourism in India – Individual, Group and Mass Tourism – Domestic, National and International Tourism – Inbound and Outbound Tourism - Composition of Tourism Industry –Accommodation, Hospitality and Catering – Transportation – Travel Agents and Tour Operators – Emerging Forms of Tourism

**Unit: Ii: Economic Dimensions Of Tourism:** Interaction Between Economic Development and Tourism- Tourism: a Consumption Industry – Economic Impacts of Tourism – Multiplier effect- Income and Employment Generation – Impact on Balance of Payments – Regional Development – Impact of Tourism on Environment - Sustainable Tourism – Pro-Poor Tourism (STEP) – Tourism and Women Empowerment.

**Unit: Iii: Development Of Tourism In India:** Domestic And International Tourism In India – Mode and Purpose of Tourism –Tourism Policies in India – Tourism Policy-2015-20 – Incredible India – New Schemes – Swadeshi Darshan – National Mission on Pilgrimage Rejuvenation and Spiritual Augmentation (PRASAD) –Swachh Bharat Mission – Swachh Paryatan - Fiscal Incentives to Tourism and Inflows of FDI – e-Tourism – Publicity and Marketing of Tourism – International Cooperation.

**Unit: Iv: Economics Of Tourism:** Schemes And Programmes For The Development Of Tourism – Trends in Contribution of Tourism to GDP - Tourism Products and Mega-destinations in India – Trends in Domestic and Foreign Tourist Arrivals – Source countries for Foreign Tourist Arrivals – Tourism Receipts – Trends in Foreign Exchange Earnings – Share of India – Future Potential of Tourism Industry.

**Unit: V: Sub-Segments Of Tourism Industry In India:** Allied Components Of Tourism – Types of Accommodation – Hotels and Restaurants – Major Players – Classification of Hotels – Incentives for the Hotels – Tour Operators – Major Players – Guides and Travel Trade Service Providers – Travel Agents – FDI and Development of Hotels – Transportation and Tourist arrivals – Air, Rail and Road Transportation – Package Tours – India Convention Promotion Bureau (ICPB) – Publicity and Market Development for Promotion of Travel and Accommodation.

**REFERENCES:**

1. Batra G.S. and R.C. Dangwal (Ed) (2001) Tourism Promotion and Development: New Advances, Deep and Deep Publications, New Delhi.
2. Bhatia, A.K. (2002) Tourism Development: Principles and Practices, Sterling Publishers Pvt. Ltd. New Delhi
3. Dain Bolwell and Wolfgang Weinz (2008) Reducing Poverty through Tourism, Working Paper-266, ILO, Geneva
4. The Federation of Hotel & Restaurant Associations of India (FHRAI) (2015) The India Hotel
5. Gill, Pushpinder (2005) Perspectives on Indian Tourism, Anmol Publications, New Delhi.
6. Gill, Pushpinder (2005) Tourism: Economic and Social Development, Anmol Publications, New Delhi
7. Government of India (2015) Annual Reports - Ministry of Tourism, New Delhi (2014) India Tourism Statistics at a Glance, Ministry of Tourism, New Delhi
8. ILO (2013) Tool Kit on Poverty Reduction through Tourism, Geneva.

[P.T.O.]

**M.A. ECONOMICS**  
**SEMESTER – II**  
**PAPER – ECO- 206 (b) : Economics or Tourism**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. What are they differentiation of Tourist and Tourism?
2. Explain the Travel agents and Tour Operators
3. Define impact of Balance of Payments
4. Explain the Tourism and Women Empowerment
5. What are the Tourism Policies in India?
6. Meaning of E-Tourism?
7. What are they international cooperation in tourism sector?
8. what is the FDI and Development of Hotels
9. What is the Multiplier effect?
10. Meaning of Sustainable Tourism?

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Explain the different categories into Schemes and Programmes for the Development of Tourism sector in India?  
**OR**  
(b). Analyse the Trends in Exchange Earnings for Tourism in International levels?
- 12 (a). Explain the historical perspective of tourism in India?  
**OR**  
(b). Determine the Share of India's future potential of Tourism Industry?
- 13 (a). Explain the interaction between economic development and tourism sector in India?  
**OR**  
(b). What economic dimensions of Tourism consumption industry income and employment generation level in India?
- 14 (a). Describe the publicity and Market Development for Promotion of Travel and Accommodation in Tourism Sector?  
**OR**  
(b). Explain the Sub-segment of Allied components of Tourism industry in India?
- 15 (a). Discussed Central Government Scheme of National Mission on Pilgrimage Rejuvenation and Spiritual Augmentation (PRASAD)?  
**OR**  
(b). How can great domestic and International tourism development in India?

**SEMESTER – II**  
**ECO 207: HUMAN VALUES AND PROFESSIONAL ETHICS - II**  
**(Revised Syllabus with effect from 2021-2022)**

**UNIT-I:** Value Education –Definition-Relevance to present day-Concept of Human Values-self introduction-self-esteem-family values-Components , Structure and responsibilities of family-Neutralization of anger-Adjustability-Threats of family life –Status of women in family and society –Caring for need elderly –Time allotment for sharing ideas and concerns.

**UNIT-II:** Medical ethics-Views if charaka, Sushruta and Hippocrates on moral responsibility of medical practitioners. Code of ethics for medical and healthcare professionals. Euthanasia ,ethical obligation to animals, ethical issues in relation to health care professional patients. Social justice in health care , human cloning , problems of abortion .Ethical issues ingenetic engineering and ethics issues raised by new biological technology of knowledge.

**UNIT-III:** Business ethics – Ethical standards of business-immoral and illegal practices and their solutions. Characteristics of ethical problems in management, ethical theories causes of unethical behavior , ethical abuses and work ethics.

**UNIT-IV:** Environmental Ethics- Ethical Theory , man And Nature- Ecological Crisis , Pest Control , Pollution and Waste , Climate Change, Energy and Population, Justice and Environmental Health.

**UNIT-V:** Social ethics – Organ trade. Human trafficking, Human rights violation and social disparities, Feminist ethics. Surrogacy / pregnancy, Ethics of media-Impact of newspapers, Television , Movies and Internet.

**References:**

1. Joha S Mackenjie:A Manual Of Ethics.
2. The Ethics of Management by Larue Tone Hosmer.Richard D.Irwin Lnc.
3. Management Ethics Integrity at Work by Joseph A.Petrick and John F.Quinn.Respons Books;New Delhi.
4. “Ethics in Management” By S.A.Sherlekar, Himalaya Publication House.
5. Harold H.Titus ; Ethics For Today.
6. Maitra,S.K;Hindu Ethics.
7. William Lilly;Introducation Ethics.
8. Sinha: A Manual of Ethics.
9. Manu:Manava Dharma Sastra or the Institute of Manu:Comparising the Indian Syystem of Duties :Raligious and civil (ed.) G.C.Halighton.
10. Susrpta samh ita: Tr.Kaviraj Kunjanlal , Kunjalal Brishagratha .Chowkarnaba Sanskrit series. Vol LII and III , Varanasi , Vol I 00, 16\*20,21-32 and 74-77 only.
11. Caraka samhita :Tr.Dr.Ram karan sarma and vaidya bhagavan dash, Chowkarnaba Sanskrit series office. Varanasi I,11.111 Vol IPP 183-191.
12. Ethics, Theory and contemporary issues. Barbara mackinnon wadsworth/Thomsaon learning, 2001.
13. Analyzing moral.issues,Judith A.Boss.May Field Publishing Company-1999.
14. An introduction to applied ethics(ed.)John H.Piet and Ayodhya Prasad.cosmo publications.
15. Text book for intermediate first year ethics and human values. Board of intermediate education-Telugu-academy, Hyderabad.

16. I.C.Sharma ethics philosophy of india.Nagin & co julundhar.

**M.A. ECONOMICS**  
**SEMESTER – II**  
**PAPER – ECO- 207 : Human Values and Professional Ethics-II**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. What is value education?
2. Explain structure and responsibilities of family?
3. Human Cloning.
4. Euthanasia.
5. Business ethics.
6. Medical ethics.
7. Environmental Ethics.
8. Social ethics.
9. Human Trafficking.
10. Surrogacy / Pregnancy?

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Explain the family values in value education?  
**OR**  
(b). Examine the status of women in family and society?
- 12 (a). Briefly explain the views of charaka and sushruta on moral responsibility of medical practitioners?  
**OR**  
(b). Ethical issues in relation to health care professional patients?
- 13 (a). Examine the ethical standards of business immoral and illegal practices and their solutions?  
**OR**  
(b). Explain the characteristics of ethical problems in management?
- 14 (a). Examine the environmental ethical theory?  
**OR**  
(b). How to control ecological crisis?
- 15 (a). Explain the organtrade and Human trafficking in society?  
**OR**  
(b). What is the media – Impact of Newspapers, Television?

**SEMESTER – III**  
**ECO 301: ECONOMICS OF GROWTH AND DEVELOPMENT**  
**(Revised Syllabus with effect from 2021-22)**

**Unit-I: Economics of Growth and Development**

Concepts of Economic Growth, Development and Under development – Measurement of Economic Growth and Development – Traditional, Welfare and Modern Approaches – Characteristics of Developing Economies.

**Unit-II: Factors in Economic Development**

Population and Economic Development – Optimum Theory of Population – The Theory of Demographic Transition – Role of Capital in Economic Development – Capital -Output Ratio - Technology in Economic Development - Choice of Techniques and Appropriate Technology.

**Unit-III: Theories of Growth**

Adam Smith, Ricardo, Karl Marx and Schumpeter – Joan Robinson's Golden Age Model- Harrod-Domar Models, Solow and Meade's Models.

**Unit-IV: Strategies of Economic Development**

Rostow's Stages Theory – Lewis Surplus Labour Theory – Rodan's Big Push Theory – Nurkse's Balanced Growth Theory – Hirschman's Unbalanced Theory – Leibenstein's Critical Minimum Effort Theory – Nelson's Low Level Equilibrium Trap.

**Unit-V: Theories of Dualism**

Dualism and Dualistic Economy – Dualistic Theories - Boeke Theory of Sociological Dualism – Higgins Theory of Technological Dualism - Fei and Ranis's Dualistic Model.

**REFERENCES:**

1. Adelman, I, 1961, Theories of Economic Growth and Development, Stanford University Press, Stanford.
2. Kindleberger, C.P, 1977, Economic Development, McGraw Hill, New York.
3. Higgins, B, 1959, Economic Development, W.W.Norton, London.
4. Todaro, M.P, 1996, Economic Development, Longman, London.
5. Thirwal, A.P, 1999, Growth and Development, Mac Millan, U.K.
6. Hirschman, A.O, 1958, The strategy of Economic Development, Yale University Press, New York.
7. Lewis, W.A., 1955, The theory of economic growth, George Allen and Unwin, London.
8. Mukerjee, Suman, K., 1994, Text Book of Economic Development, Orient Longman.
9. Misra and Puri, 2001, Economic Development, Himalaya Publishing House.
10. Ghatak, S. 1986, An Introduction to Development Economics, Allen and Unwin, London.
11. Behrman.S and T.N. Sreenivasan, 1995, Hand book of Development Economics, vol.3 Elsevier Amsterdam.



**M.A. ECONOMICS**  
**SEMESTER – III**  
**PAPER – ECO- 301 : Economics of Growth and Development**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Define Economic Growth and distinguish it from Economic Development.
2. Briefly explain the problems in the use of Per capita income as a measure of welfare.
3. Explain the concepts of Positive Checks and preventive Checks.
4. Define the capital – output ratio and state its determinants.
5. What are the assumptions of Adam Smith's model of growth?
6. Write a short note on 'Stationary State'.
7. What are the pre-conditions for take-off?
8. Explain the concept of 'Vicious Circle of Poverty'.
9. What is Dualism?
10. Write a short-note on Sociological Dualism.

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Discuss the evolution of measures of Economic Development.  

**OR**

(b). What is Physical Quality of Life Index? How is it constructed? What are its limitations?
- 12 (a). Analyse the Optimum theory of Population  

**OR**

(b). Elucidate the Theory of Demographic Transition.
- 13 (a). Explain the Theory of Maximum Investible Surplus proposed by Amartya Kumar Sen  

**OR**

(b). Discuss the Golden Age model of Mrs. Joan Robinson.
- 14 (a). Elucidate Balanced Growth Theory proposed by Rosentain Rodan and Ragnar Nurkse to break the Vicious Circle of Poverty operating in underdeveloped countries.  

**OR**

(b). Critically Examine Lewis Model of Economic Growth with Unlimited Supplies of labour.
- 15 (a). Discuss Higgins' theory of Technological Dualism.  

**OR**

(b). Discuss dualistic process of economic development in underdeveloped countries according to Fei and Ranis model

**SEMESTER – III**  
**ECO 302: INDIAN ECONOMY**  
**(Revised Syllabus with effect from 2021-22)**

**Unit-I: Basic Structure of Indian Economy**

Characteristics of Indian Economy – Structure of National Income - Human Resources – Occupational Structure – Economic Sectors and Contribution to Employment Generation and GDP – Recent Trends in Poverty and Unemployment.

**Unit-II: Agricultural Sector**

Role of Agriculture in Economic Development – Green Revolution – Concept of Food Security – Farm Size and Productivity – Irrigation and Agricultural Development – Livestock Resources – Need for Credit for Indian Farmers – Performance of Indian Agriculture in Five Year Plans.

**Unit-III: Industrial Sector**

Role of Industrial sector in Economic Development–Industrial Policy–1991 – Role of Public and Private Sectors – Micro, Small Medium Enterprises (MSMEs) - Growth of Large Scale Industries and Economic Development - Disinvestment Programme – Liberalization, Privatization and Globalization (LPG) and Industrial Development.

**Unit-IV: Service Sector**

Service Sector in Indian Economy–Performance of Trade – Tourism–Shipping and Port Services–Telecom and Related Services–IT and IT-enabled Services– R & D Services–Construction Services – Social Services – Performance of Service Sector during Five Year Plans.

**Unit-V: Economic Reforms**

Rationale of Internal and External Reforms – Globalization of Indian Economy - W.T.O. and Impact on the Different Sectors of Indian Economy – Need for and Issues in Good Governance – Issues in Competition and Safety Nets in Indian Economy.

**REFERENCES:**

1. Ahluwalia, I.J. and I.M.D. Little (Eds.), 1999, India's Economic Reforms and Development (Essays in Honour of Manmohan Singh), Oxford University Press, New Delhi.
2. Bardhan, P.K. (9<sup>th</sup> Edition), 1999, The Political Economy of Development in India. Oxford University Press, New Delhi.
3. Bawa, R.S. and P.S. Raikhy (Ed.), 1997, Structural Changes in Indian Economy, Guru Nanak Dev University Press, Amritsar.
4. Brahmananda, P.R. and V.R. Panchmukhi (Eds.), 2001, Development Experience in the Indian Economy: Inter-State Perspectives. Bookwell, Delhi.
5. Chakravarty, S., 1987, Development Planning: The Indian Experience. Oxford University Press, New Delhi.
6. Dantwala, M.L., 1996, Dilemmas of Growth: The Indian Experience, Sage Publications, New Delhi.
7. Datt, R. (Ed.), 2001, Second Generation Economic Reforms in India, Deep & Deep Publications, New Delhi.
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9. Jain, A.K., 1986, Economic Planning in India, Ashish Publishing House, New Delhi.
10. Jalan, B., 1992, The Indian Economy Problems and Prospects, Viking, New Delhi.
11. Jalan, B., 1996, India's Economic Policy Preparing for the Twenty First Century, Viking, New Delhi.
12. Joshi, V. and I.M.D. Little, 1999, Macro Economics and Political Economy, 1964- 1991, Oxford University Press, New Delhi.
13. Parikh, K.S., 1999, India Development Report 1999-2000, Oxford University Press, New Delhi.
14. Reserve Bank of India, Report on Currency and Finance, (Annual).
15. Sandesara, J.C., 1992, Industrial Policy and Planning, 1947-1991: Tendencies, Interpretations and Issues. Sage Publications, New Delhi.
16. Sen, R.K. and B.Chatterjee, 2001, Indian Economy: Agenda for 21<sup>st</sup> Century (Essays in Honour of Prof. P.R.Brahmananda), Deep & Deep Publications, New Delhi.

**M.A. ECONOMICS**  
**SEMESTER – III**  
**PAPER – ECO- 302 : Indian Economy**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks**

**(5 x 4 = 20)**

1. Structure of National Income
2. Recent Trends in Poverty
3. Occupational Structure
4. Green Revolution
5. Concept of Food Security
6. Livestock Resources
7. 1991 Industry Policy
8. Disinvestment Programme
9. IT and IT enabled Services
10. MSMEs ( Micro , Small ,Medium Enterprises )

**SECTION – B**

**Answer all Questions. Each question carries equal marks**

**(5 x 12 = 60)**

- 11 (a). Explain the Basic Characteristics of Indian Economy  
OR  
(b). Explain Causes for Unemployment in India ? What are the steps taken by the government to overcome unemployment problem in India ?
- 12 (a). Discuss the role of agriculture in Economic Development  
OR  
(b). Is Farm size influence agricultural Productivity ? Explain ?
- 13 (a). Explain the Performance of Indian agriculture in Five Year Plans  
OR  
(b). Describe the role of Industrial Sector in Economic Development
- 14 (a). Explain the role of Service Sector in Indian Economy  
OR  
(b). Describe the R & D and Construction Services in India
- 15 (a). Explain the globalization of Indian Economy  
OR  
(b). Discuss W.T.O and impact on the different sectors of Indian Economy

**SEMESTER – III**  
**ECO 303(A)- INTERNATIONAL FINANCE**  
**(Revised Syllabus with effect from 2021-22)**

**Unit-I: Balance of Payments**

Balance of Payments – Measurements of Balance of Payments – Measuring Deficit or Surplus in Balance of Payments - Causes of Deficit in Balance of Payments.

**Unit-II: Adjustment Mechanisms in Balance of Payments**

Automatic Price Adjustment under Gold Standard – Classical Theory of Balance of Payments – The Elasticity Approach – The General Theory of Balance of Payments - The Monetary approach of Balance of Payments and Foreign Trade Multiplier.

**Unit-III: Foreign Exchange Market**

Meaning and Determination of Foreign Exchange Rate – The Mint Parity Theory – The Purchasing Power Parity Theory – The Balance of Payments Theory – Causes of Changes in the Exchange Rate-Exchange Rate Adjustment Policies: Fixed Exchange Rate – Flexible Exchange Rate-Adjustable Peg System – Crawling Peg System – Multiple Exchange Rate System – Spot and Forward Exchange Equilibrium.

**Unit-IV: International Capital Movements**

Types of International Capital Movements–International Development Agencies; International Finance Corporation (IFC) - International Development Association (IDA) - The Multinational Investment Guarantee Agency (MIGA) - Euro-Dollar Market – The International Debt Management and Developing Countries.

**Unit-V: The International Monetary Problem**

The International Liquidity Problem – Establishment of IMF – Role of IMF – India and IMF – SDRs –The World Bank – Breakdown of Bretton woods System – Present Monetary System.

**REFERENCES**

1. Francia Cherunilam, (2004): International Economics, Tata McGraw – Hill Publishing Company LTD., New Delhi.
2. Soderston, B.O., (1991), International Economics, The Macmillan Press Ltd., London.
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6. Meade, J.E., The balance of Payments, Oxford University.
7. Brahmada, P.R., (1982), The I.M.F. Loan and India's Economic Future, Himalaya Publishing House, Bombay.
8. Caves, R.E., Flexible Exchange Rate, American Economic Review, May, 1963.
9. Fleming, M.J., Domestic Financial Policies under Fixed and under Floating Exchange Rates, IMF, Staff Papers, Nov, 1962.
10. Bilson, J., The Monetary Approach to the Exchange Rates-Some Empirical Evidence, IMF, Staff Papers, March, 1978, PP.48-75.

**M.A. ECONOMICS**  
**SEMESTER – III**  
**PAPER – ECO- 303 (a) : International Finance**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Meaning and Definition of Industrialization.
2. The Patterns of Industrialization
3. Transport Cost and Market Density
4. Public Sector Companies
5. Agglomerative and Deglomerative Factors
6. Co-efficient of Localization
7. Factors affecting Industrial Productivity
8. The Review of Industrial Resolution 1956
9. Briefly Explain the Cost Benefit Analysis
10. Write about the Break-Even-Analysis

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Examine the Factors Promoting Industrialization in Developing Countries.  
**OR**  
(b). Briefly analyse the Factors Influencing the Size of the Optimum Firm.
- 12 (a). Briefly Explain Different Forms of Industrial Organization in India.  
**OR**  
(b). Discuss the Essential Characteristics of Corporate Sector and find out the Advantages and Disadvantages of the Corporate Sector.
- 13 (a). Critically examine weber's theory of industrial location  
**OR**  
(b). Briefly explain the Walter ISARD location theory
- 14 (a). Examine the importance of industrial production and productivity  
**OR**  
(b). Briefly explain the objectives of new industrial policy on 1991.
- 15 (a). What are the different rates of return methods and pay back methods?  
**OR**  
(b). Explain the role and progress of family planning programmes in India

**SEMESTER – III**  
**ECO 303(B)- PRODUCTION ECONOMICS AND FARM MANAGEMENT**  
**(Revised Syllabus with effect from 2021-22)**

**MODULE – I: AGRICULTURE AND ECONOMIC DEVELOPMENT**

Role of agriculture and Economic Development, Traditional and Modern Agriculture, Characteristics of Indian Agriculture; Interdependence between Agriculture and Industry; Resource Management in Agriculture.

**MODULE – II: RURAL ECONOMIC ACTIVITIES AND RURAL INFRASTRUCTURE**

Importance of Allied Activities in Development of Rural Economics, Animal Husbandry, Dairying and Fisheries, Forestry, Horticulture and Floriculture; Issues and problems in Rural Industrialization and Development of Agro – Based Industries, Rural Infrastructure – Rural Transport, Community Health and Functional Literacy.

**MODULE – III: AGRICULTURAL PRODUCTION AND PRODUCTIVITY**

Production Functions: Factor-Factor Relationship, Factor-Product Relationship, Product-Product Relationship, Cost Relationship and Profit Maximization in Indian Agriculture; Agricultural Production in India, Causes for low Productivity in Indian Agriculture; Factors Influencing Agricultural Productivity in India.

**MODULE – IV: FARM SIZE AND FARM MANAGEMENT**

Farm size and Productivity Debate: Measures of Size, Large vs Small size, Returns to Scale and Farm Size Relationship between size and Productivity; Inverse Relationship and Green Revolution, Pattern of land holdings in India; Causes for Small Size of Land Holdings, Risk and uncertainty in Agriculture; Farm Planning, Budgeting and Programming.

**REFERENCE BOOKS**

1. R.K. Lekhi, Agricultural Economics, Kalyani Publishers, New Delhi.
2. Sadhu & Singh – Fundamentals of Agricultural Economics.
3. B.P. Tyagi – Agricultural Economics and Rural Development.
4. K. Bharadwaj – Production conditions in Indian Agriculture.
5. Brahmananda, PR & VR Panchamukhi(Eds) – The Development process of the Indian Economy.
6. Ghatak, Sand Ingerscent – Agriculture and Economic Development.
7. Ruddar Datt & K.P.M. Sundharam - Indian Economy, S.Chand & Company Ltd., New Delhi.
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**M.A. ECONOMICS**  
**SEMESTER – III**  
**PAPER – ECO- 303 (b) : Production Economics and Farm Management**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Explain the Nature and Scope of Modern Agriculture?
2. Write about production Function?
3. What is the role of Agriculture?
4. What are the types of Planning?
5. Write note on Dairying and Fisheries?
6. Explain about Green Revolution in India?
7. Explain the Horticulture and Floriculture?
8. Problems of rural industrialization?
9. Explain about Rural infrastructure?
10. Animal husbandry.

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Characteristic of Indian Agriculture?  
**OR**  
(b). Comments on the trends in production and productivity in Agriculture.
- 12 (a). What is the importance of Allied Activities in Development of Rural Economics?  
**OR**  
(b). Describe about interdependence between Agriculture and Industry?
- 13 (a). Write about production Functions?  
**OR**  
(b). Explain the Risk and Uncertainty in Agriculture?
- 14 (a). Suggest some measures to increase the agricultural productivity.  
**OR**  
(b). What is the main causes for small size of land holdings?
- 15 (a). Write a detailed note on programming techniques discussing their infinity in planning?  
**OR**  
(b). Explain the Development of Agro-based industries in India.

**SEMESTER – III**  
**ECO 303(C)- INDUSTRIAL ECONOMICS**  
**(Revised Syllabus with effect from 2021-22)**

**Unit 1: Industry and Economic Development**

Industrialization and Economic Development - Factors Promoting Industrialization - Strategies of Industrialization in Developing Countries.

**Unit 2: Firm and Forms of Industrial Organization**

The Theory of the Firm – Objectives – Size - Growth of the Firm - Optimum Firm -Factors Determining Optimum Firm - Forms of Industrial Organization.

**Unit 3: Theories of Industrial Location**

Factor Influencing Industrial Location –Theories of Industrial Location: Alfred Weber, Sargeant Florence, August Losch, Walter Isard – Melvin Greenhut.

**Unit 4: Investment Decisions**

Nature and Types of Investment Decisions – Time Preparation–Profile of Project –Project Evaluation/Appraisal – Cost-Benefit Analysis - Different Rates of Return Methods - Pay Back Method - Accounting Rate of Return Method - Net Present Value Method and Internal Rate of Return Method - Break-Even Analysis.

**Unit 5: Industrial Management**

Industrial Productivity – Rationalization – Automation – Industrial Efficiency – Role of Science and Technology in Industrial Development-Industrial Policies of 1956 and 1991.

**REFERENCES:**

1. Ahulwalia I.J., Industrial Growth in India-Stagnation Since the Mid Sixties, Oxford University, New Delhi, 1985.
2. Barthwal R.R., Industrial Economics, Wiley Eastern Ltd., New Delhi, 1985.
3. Cherunilam, F., Industrial Economics: Indian Perspective (3<sup>rd</sup> Edition), Himalaya Publishing House, Mumbai, 1994.
4. Dasgupt P.S., Marglin and A. Sen, Guideline for Project Evaluation , UNIDO Publications, New York, 1972.
5. Desai B., Industrial Economy in India (3<sup>rd</sup> Edition), Himalaya Publishing House, Mumbai, 1999.
6. Divine P.J. and R.M. Jones (et.al), An Introduction to Industrial Economics, George Allen and Unwine Ltd, London, 1976.3
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9. Hay D. and D.J. Morris., Industrial Economics: Theory and Evidence, Oxford University Press, New Delhi, 1993.
10. Jalan B., India's Economic Policy, Viking, New Delhi, 1996.
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**M.A. ECONOMICS**  
**SEMESTER – III**  
**PAPER – ECO- 303 (c) : Industrial Economics**  
**(Revised Syllabus with effect from 2021-2022)**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks**

**(5 x 4 = 20)**

1. Meaning and Definition of Industrialization.
2. The Patterns of Industrialization.
3. Transport Cost and Market Density.
4. Public Sector Companies.
5. Agglomerative and Deglomerative Factors.
6. Co-efficient of Localization.
7. Factors affecting Industrial Productivity.
8. The Review of Industrial Resolution 1956.
9. Briefly Explain the Cost Benefit Analysis.
10. Write about the Break-Even-Analysis.

**SECTION – B**

**Answer all Questions. Each question carries equal marks**

**(5 x 12 = 60)**

- 11 (a). Examine the Factors Promoting Industrialization in Developing Countries  
**OR**  
(b). Briefly analyse the Factors Influencing the Size of the Optimum Firm
- 12 (a). Briefly Explain Different Forms of Industrial Organization in India  
**OR**  
(b). Discuss the Essential Characteristics of Corporate Sector and find out the Advantages and Disadvantages of the Corporate Sector.
- 13 (a). Critically examine weber's theory of industrial location.  
**OR**  
(b). Briefly explain the Walter ISARD location theory.
- 14 (a). Examine the importance of industrial production and productivity.  
**OR**  
(b). Briefly explain the objectives of new industrial policy on 1991.
- 15 (a). What are the different rates of return methods and pay back methods?  
**OR**  
(b). Explain the role and progress of family planning programmes in India.

**SEMESTER – III**  
**ECO 303(D)- WOMEN AND ECONOMIC DEVELOPMENT**  
**(Revised Syllabus with effect from 2021-22)**

**UNIT - I: Women and Economic Development in India**

Women Population in India - Rural and Urban Women Population – Fertility Rates – Women Labour Force and Work Force Participation Rates – Role of Women in Economic Development.

**UNIT – II: Women and Human Development**

Human Development – Gender Gap – Gender Inequality Index - Gender Development Index – Gender Empowerment – Measures – Women and Literacy, Life Expectancy –Access to Health Care – Income Inequalities.

**UNIT – III: Women and Labour Markets**

Gender division of labour – Participation rates in rural and urban employment markets in India - Factors affecting women entry into labour markets in Agriculture, Industry and Service sectors - Women in Organized and Unorganized Sectors

**UNIT – IV: Governance for Women Development**

Role and functions of Ministry of Women and Child Development - Social Welfare Boards: National and State level Commissions of Women. Women’s Development Corporation. National Institute of Entrepreneurship and Small Business Development (NIESBUD) – NABARD - Small Industries Development Bank of India (SIDBI).

**UNIT – V: Welfare Programmes and Women Development**

Role of Non-Government Organizations in Women’s welfare - Kasturba Gandhi Balika Vidyalayas (KGBV) – National Programme for Adolescent Girls (NPAG) – National Mission for Empowerment of Women – STEP – Micro Credit Groups – SWADHAR – DHANALAKSHMI – Rashtriya Mahila Khosh (RMK) – Indira Gandhi Matrutva Sahayog Yojana – MGENREGA – Hostels for Working Women – Kishori Balika Pathakam – Indira Kranthi Patham – Janani Suraksha Yojana - Bangaru Talli Programme – Jana Dhan Yojana – Suknya Samrudhi Yojana.

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2. Desai, N and Raj, M.K. (Eds)(1970), Women and Society in India, Research Centre for Women Studies, SNDT University, Bombay.
3. Krishnaraj, M, Sudharshan, R.M. and Shariff, A (1999), Gender, Population and Development, Oxford University Press, New Delhi.
4. Seth, M (2000), Women and Development: The Indian Experience, Sage Publications, New Delhi.
5. Wazir, R (2000), The Gender Gap in Basic Education: NGOs as Change Agents, Sage Publications, New Delhi.
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7. Various issues of Economic Survey, Government of India.
8. Annual Reports of Ministry of Women and Child Development, Government of India.
9. Annual Reports of Ministry of Rural Development, Government of India.
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**M.A. ECONOMICS**  
**SEMESTER – III**  
**PAPER – ECO- 303 (d) : Women and Economic Development**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Examine the trends in women Population in India?
2. Account for the declining work force participation in India?
3. How do you calculate Human Development Index?
4. Define Gender Gap?
5. What is Gender Development Index?
6. How educated women in is useful to a family?
7. Account for lower ownership of land by women in agriculture?
8. Discuss the Functioning of Social Welfare Boards?
9. Examine the working of Micro Credit Groups?
10. Estimate the importance of Jana Dhan Yojana Scheme?

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Discuss the role of women in economic development?  
**OR**  
(b). Elucidate the reasons for under human development in India?
- 12 (a). Critically examine the women Empowerment measures taken in India?  
**OR**  
(b). Which measures can be taken to improve health care access?
- 13 (a). Growing income inequalities disturb equilibrium of the economy's comment.  
**OR**  
(b). Account for the factors which affect women entry into labour markets?
- 14 (a). Critically examine the working of National Commission of Women?  
**OR**  
(b). How NABARD is contributing to women development in India? Explain?
- 15 (a). Discuss the role of Non- Government Organisations in empowerment of women?  
**OR**  
(b). Discuss the importance of MGENREGA scheme in increasing employment of women?

**SEMESTER – III**  
**ECO 304- COMMUNICATION AND SOFT SKILLS**  
**(Revised Syllabus with effect from 2021-22)**

**Unit – 1: *Meaning and Types of Soft Skills*:** Definition of soft skills – Types of Soft skills – Lower order and higher order Soft skills – Importance of soft skills in inter-personal communication and in employment

**Unit- II: *Oral Communication Skills*:** Better usage of English/Vernacular language - Presentation skills - Role Plays, Debate, Extempore, Public Speaking skills - GD Participation/facing techniques - Ability for planning, organizing and coordinating GD - Creative thinking, Problem solving and decision-making - Leadership skills.

**Unit – III: *Written Communication Skills*:** Basic grammar – Tenses – Structure of Sentences – Active Voice and Passive Voice - Paragraph writing, Essay writing, Situation Reaction Test, Report Writing, Memos.

**Unit – IV: *General and Employability Skills*:** Non-verbal communication, types of communication, E-mail etiquette, Telephone etiquette, Dining etiquette, Grooming, Resume writing, Group Discussion, Interview Skills, Preparation of CV - Active listening skills, Time Management, Stress Management.

**Unit- V: *Interpersonal Soft Skills*:** Self-awareness, Self-confidence, SWOC, Flexibility & Adaptability, Resilience, Attitude, Assertiveness, and Interpersonal Skills viz., - Goal setting, Negotiation, Persuasion skills.

**References:**

1. Meenakshi Raman and Sangeeta Sharma (2015), *Technical Communication: Principles and Practice, 3<sup>rd</sup> Edition*, New Delhi: Oxford University Press.
2. Ashraf Rizvi, M. (2017), *Effective Technical Communication*, 2<sup>nd</sup> Edition, New Delhi: Tata McGraw Hill.
3. Hewing, Martin (1999), *Advanced English Grammar: A Self-study Reference and practice Book for South Asian Students*, Reprint 2003, New Delhi: Cambridge University Press.
4. Minippally, Methukutty. M. (2001), *Business Communication Strategies*, 11<sup>th</sup> Reprint, New Delhi: Tata McGraw – Hill.
5. Sasi Kumar. V and P.V. Dharmija (1993), *Spoken English: A Self-Learning Guide Conversation Practice*, 34<sup>th</sup> reprint, New Delhi: Tata McGraw – Hill.
6. John, Seely (1988), *The Oxford Guide to Writing and Speaking*, Delhi: Oxford University Press.
7. Peter, Francis (2012), *Soft Skills and Professional Communication*. New Delhi: Tata McGraw Hill.
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9. British Council online resources.

**M.A. ECONOMICS**  
**SEMESTER – III**  
**PAPER – ECO- 304 : Communication and Soft Skills**  
**Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 100**

**Answer all Questions. Each question carries equal marks**

**(5 x 20 = 100)**

- 1 (a). Differentiate intra and inter personal skills. Attempt an essay on its importance and salient features.

**OR**

- (b). Attempt an essay defining soft skills and its importance in a globalized world.

- 2 (a). Explain the Time Management Matrix and its significance in maintaining a work life balance.

**OR**

- (b). Explain stress management and its importance .

- 3 (a). Attempt a essay on Group Discussion

**OR**

- (b). Attempt an essay on clarity in Presentation Skills

- 4 (a). You are the General Manager of TCS. Write a memo to your subordinate Mr. Ravi for his negligence in completing the project within the time frame.

**OR**

- (b). Write an essay on “Corruption hinders the nation’s development”.

- 5 (a). What is Etiquette? How important is it in today's corporate world?

**OR**

- (b). In an interview, a HR asks the question ‘Given a chance, what would you change in your life?’ As an active listener, analyse the content and intent of the question

**SEMESTER – III**  
**ECO 305(A): ANDHRA PRADESH ECONOMY**  
**(Revised Syllabus with effect from 2016-2017)**

**Unit 1: Structure of Andhra Pradesh Economy**

State GDP – Per capita Income – Human Development Index – Income and Employment Pattern in Andhra Pradesh – Magnitude of Poverty – Demographic Features – Social, Political and Economic Empowerment of Women.

**Unit 2: Role of Agriculture Sector**

Importance of Agriculture – Production and Productivity of Agriculture – Change in Cropping pattern – Sources of Agricultural Finance – Land Reforms in Andhra Pradesh – Recommendations of Koneru Ranga Rao Committee.

**Unit 3: Industrial Sector**

Growth and Structure of Industries – Large Industries and Micro, Small and Medium Enterprises – Weaknesses and Problems of Industries – Sources of Industrial Finance – Role of Cooperatives in Andhra Pradesh.

**Unit 4: Role of Service Sector**

Service Sector in Andhra Pradesh – Importance, Composition and Growth with Special reference to Transport, Electricity, Communication, Tourism and Information.

**Unit 5: Planning in Andhra Pradesh**

Five Year Plans of Andhra Pradesh – Aims, Objectives, Targets and Achievements – Sources of State Revenue – Trends in Public Expenditure and Public Debt of Andhra Pradesh.

**REFERENCES:**

1. R.S. Rao, Fifty Years of A.P 1956 -2006, CDR and communications, Himayat Nagar, Hyderabad.
2. V.H.Rao, A.P. at fifty, CDR and Communications, Himayat Nagar, Hyderabad.
3. C.H. Hanumantha Rao and Mahendra Dev, A.P. Development, Economic Reforms and Challenges ahead, CESS, Begumpet, Hyderabad.
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5. Statistical Abstract of A.P.
6. Socio-Economic Survey of A.P., Govt. of A.P.
7. Govt. of A.P. Human Development Report, A.P. CESS, Begampet, Hyderabad.
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10. Laxmana Rao, V. Economic Growth of A.P.
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13. An out line of Agricultural situation in A.P 2006-07 (DES A.P, Hyd)
14. Socio – Economics Survey 2007-08 Government of A.P (Planning Department)
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**M.A. ECONOMICS**  
**SEMESTER – III**  
**PAPER – ECO- 305 (a) : Andhra Pradesh Economy**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. What are the components of Human Development Index?
2. Write a short note on the changing demographic features of Andhra Pradesh.
3. What are the main objectives of the land reforms policy in Andhra Pradesh?
4. Briefly explain the trends in the cropping pattern in Andhra Pradesh.
5. What are the specific problems of tiny and small scale sectors in Andhra Pradesh?
6. Compare the availability of institutional and non-institutional sources of rural credit in Andhra Pradesh.
7. State the importance of Services sector in Andhra Pradesh.
8. Identify the important religious tourism places in Andhra Pradesh.
9. What were the objectives of Twelfth Five year Plan in the Andhra Pradesh?
10. Outline the changing role of administered prices in Andhra Pradesh.

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Bring out the factors that contribute to the growth of income and employment in Andhra Pradesh.  

**OR**

(b). Critically evaluate the measures taken in Andhra Pradesh towards the Empowerment of Women.
- 12 (a). Bring out the factors that contribute to the growth of Agricultural productivity in Andhra Pradesh.  

**OR**

(b). Critically evaluate the recommendations of the Koneru Ranga Rao Committee on Land Reforms in Andhra Pradesh.
- 13 (a). Analyse the role of large scale industries in the development of Andhra Pradesh.  

**OR**

(b). What are the major sources of industrial finance in Andhra Pradesh?
- 14 (a). Analyse the role of APSRTC in the provision of public transport to the people of Andhra Pradesh.  

**OR**

(b). Do you think that Power Sector in Andhra Pradesh has been sufficiently developed in relation to the demand? Justify your answer.
- 15 (a). Critically evaluate the targets and achievements of various Five Year Plans in Andhra Pradesh.  

**OR**

(b). Analyse the major sources Tax revenue to the Government of Andhra Pradesh.



**SEMESTER – III**  
**ECO 305(B) – AGRICULTURAL ECONOMICS**  
**(Revised Syllabus with effect from 2021-22)**

**Unit –I: Agriculture and Economic Development**

Definition, Nature and Scope of Agricultural Economics – Role of Agriculture sector in Economic Development – Structural changes and Contribution of Agriculture Sector — Modernisation of Agricultural Production Systems – Global Hunger Index – Achieving Zero Hunger – Re-orientation of Agricultural Development- Sustainable Agriculture- Role of Women in Agricultural Development.

**Unit –II: Agriculture Sector in India**

Development of Agriculture sector during Post-Independence Period –Green Revolution - Trends in Growth of Gross Cropped Area and Gross Irrigated Area – Decreasing Size of Average Land Holdings – Area, Production and Yields of Principal Crops- Targets and Achievements during Five Year Plans – India’s Position in World Agriculture.

**Unit –III. Investments in Agriculture Sector in India**

Factors Determining Gross Capital Formation in Agriculture Sector – Trends during Five Year Plans – Share of Public and Private Sectors – Budgetary expenditure on Agriculture sector – Inflow of FDI into Agriculture sector- Sources and Trends in flow of Credit to Agriculture – Kisan Credit Cards – Credit for Rain fed Areas – Indebtedness of Agricultural Households .

**Unit – IV: Government Initiatives and Development of Agriculture**

Need for Improvement in Agricultural Productivity- Government Initiatives – National Food Security Mission (NFSM)- National Mission for Sustainable Agriculture (NMSA) and Agricultural Extension and Technology – National Crop Insurance Programme – Pradhan Mantri Fasal Bima Yojana- Rashtriya Krishi Vikas Yojana – Rain fed Area Development Programme.

**Unit- V: Agricultural Marketing and Trade in India**

Determinants of Marketable and Marketed Surplus – Structure of Agricultural Markets – Primary and Secondary Wholesale Markets- Terminal Markets – Retail Markets – Fairs – Nature of Markets – Group Marketing- Cooperative Marketing – Direct Marketing – Warehousing in Rural areas – Physical and Financial Performance of Grameen Bhandaran Yojana – Role of AGMARK and AGMARKNET- Exports and Imports of Agricultural Commodities

**REFERENCES:**

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4. FAO (2015) The State of Food Insecurity in the World., Rome
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**M.A. ECONOMICS**  
**SEMESTER – III**  
**PAPER – ECO- 305 (b) : Agricultural Economics**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. What are the causes for low productivity in agriculture?
2. Write about Kisan Credit Cards.
3. Explain about Global Hunger Index.
4. Write a short note on modernisation of Agriculture.
5. Write briefly short notes on Achieving Zero hunger.
6. Briefly outline the scope of Agricultural Economics.
7. Write about National Crop Insurance Programme.
8. Write notes on Re orientation of Agricultural Development.
9. National Food Security Mission (NFSM).
10. Explain the price policy in India.

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Explain the role of women in Agricultural Development.  
**OR**  
(b). Write notes on Rainfed Area Development Programme.
- 12 (a). What are the Causes for small size of land holdings in India?  
**OR**  
(b). Explain the Rural Indebtedness.
- 13 (a). Describe the share of public and private sector.  
**OR**  
(b). What are the physical and Financial Performance of Grameen Bhandaran Yojana..
- 14 (a). Explain about National Mission for Sustainable Agriculture.  
**OR**  
(b). Write about structure of Agricultural Markets.
- 15 (a). Explain the role of AGMARK and AGMARKNET.  
**OR**  
(b). Write about Exports and Imports of Agricultural Commodities.

**SEMESTER – IV**  
**ECO 401- RURAL DEVELOPMENT**  
**(Revised Syllabus with effect from 2021-22)**

**Unit-I: Approaches To Rural Development**

Rural Development – Basic Elements of Rural Development – Approaches to Rural Development: Marxian and Gandhian Approaches – People’s Participatory Approach – Target Group Approach – Integrated Approach.

**Unit-II: Issues Of Rural Development**

Size and Structure of Rural Economy – Poverty – Rural Unemployment Scenario – Role of Agricultural Sector and Non-Farm Sector – Food Security–Rural Industrialization – Rural Migration.

**Unit-III: Rural Development Programmes**

Community Development Programme(CDP) – Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) – Swarna Jayanthi Gram Swarozor Yojana (SGSY) - Rural Housing Schemes-Provision of Urban Amenities in Rural Areas (PURA).

**Unit-IV: Institutional Support To Rural Development**

Panchayat Raj and Rural Development – Role of N.G.Os in Rural Development –Financing of Rural Development–NABARD – Commercial Banks – Regional Rural Banks and Cooperatives.

**Unit-V: Project Management And Rural Development**

Functions of Project Management – Project Implementation – Planning for Implementation Project Control–Integration and Coordination – People’s Participation–Project Monitoring and Evaluation.

**REFERENCES:**

1. Bhaduri, A and Arisur Rahman, M.A., 1982, Studies in Rural Participation, Oxford and IBH Publishing Company, New Delhi.
2. Hunter Guy, Bunting, A.H. and Bottrall, Anthony, 1978, Policy and Practice in Rural Development, The English Language Book Society, London.
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**M.A. ECONOMICS**  
**SEMESTER – IV**  
**PAPER – ECO- 401 : Rural Development**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks**

**(5 x 4 = 20)**

1. Discuss the Gandhian Approach to rural development?
2. Discuss the peoples participatory Approach to rural development.
3. Explain the target group Approach to rural Development.
4. Analyse the importance of food securities in India?
5. Account for rural migration in India?
6. Discuss the importance of community development programme?
7. Examine the importance of Swarna Jayanthi Gram Swarozor Yozana?
8. Explain the PURA model for development of rural area?
9. Explain the role of Commercial Banks in rural development?
10. Examine the role of RRBs in rural development

**SECTION – B**

**Answer all Questions. Each question carries equal marks**

**(5 x 12 = 60)**

- 11 (a). Discuss the basic elements of rural development?  
**OR**  
(b). Critically examine the Markelan Approach to rural development?
- 12 (a). Critically examine the Structure of rural development?  
**OR**  
(b). Account for the rural unemployment in India?
- 13 (a). Examine the role of agriculture in rural development?  
**OR**  
(b). Explore various opportunities for rural industrialisation?
- 14 (a). Examine the functioning of MGNREGS in increasing employment in rural India?  
**OR**  
(b). Discuss the role of NGOs in rural development?
- 15 (a). Examine the Greentown's of project Management?  
**OR**  
(b). How do you monitor and evaluate a rural development programmes?

## SEMESTER – IV

### ECO 402- FINANCIAL INSTITUTIONS AND MARKETS (Revised Syllabus with effect from 2021-22)

#### **Unit 1: Nature and Role of Financial System**

Meaning, Definition and Structure of Financial System – Functions of Financial Systems – Promotional Role of Financial System in Developing Countries.

#### **Unit 2: Structure, Composition and Instruments of Money Market**

Definition of Money Market – Composition of Money Market: Call Money Market – Discount Market (Commercial Bill Market) – Acceptance Market – Treasury Bill Market – Instruments of Money Market – Commercial Papers – Certificate of Deposit–Repo and Reverse - Repo Transactions.

#### **Unit 3: Structure and Composition of Capital Market**

Definition of Capital Market – New Issues Market–Functions of New Issues Market – Players in the New Issues Market–Recent Trends in New Issues Market–Secondary Market – Functions of Stock Exchanges–Issue and Listing of Securities – Method of Trading in a Stock Exchange.

#### **Unit 4: Money and Capital Markets in India**

Structure, Objectives and Features of Money Market in India – Discount and Finance House of India (DFHI) - Recent Developments and Deficiencies in Indian Money Market - SEBI: Objectives, Functions and Performance – Securities Trading Corporation of India (STCI) – Features of NSE and BSE – Over the Counter Exchange of India (OTCEI) – Recent Developments and Defects of Indian Capital Market.

#### **Unit 5: Financial Institutions in India**

Objectives and Development Functions of Reserve Bank of India – 3 Commercial Banks – Non-Banking Finance Companies – Development and Investment Institutions in India – IFCI, IFBI, UTI, LIC and GIC–Recent Reforms in Indian Capital Market.

#### **REFERENCES:**

1. M.Y.Khan, Indian Financial System, Tata McGraw Hill, New Delhi.
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8. S.L.N.Sinha, Capital Market in India, Vora & Co, Bombay.
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**M.A. ECONOMICS**  
**SEMESTER – IV**  
**PAPER – ECO- 402 : Financial Institutions and Markets**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Function of Financial System in India.
2. Call- Money Market?
3. Commercial Paper?
4. Repo and reverse Repo Transactions.
5. Secondary Market?
6. New Issue Market?
7. Objectives and Feature of Money Market in India.
8. Bombay Stock Exchange.
9. Differences in Indian Money Market.
10. Industrial Finance Corporation of India (IFCI).

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Briefly analyse the Structure of Financial System in India.  
**OR**  
(b). Discuss the promotional role of financial system in developing country like India?
- 12 (a). Describe the Commercial Bill Market and Treasury Bill Market?  
**OR**  
(b). Explain the Function of Stock Exchange?
- 13 (a). Discuss the various methods of Trading in Stock Exchange.  
**OR**  
(b). Analyse the objectives, functions and performance of SEBI.
- 14 (a). Discuss the various function if IDBI and also assess its performance?  
**OR**  
(b). Discount and finance House of India – Explain?
- 15 (a). Briefly analyse the objective and development functions of Reserve Bank of India?  
**OR**  
(b). Recent Reforms in Indian Capital Market ? Discuss.

**SEMESTER – IV**  
**ECO 403(A)-INDIA'S ECONOMIC REFORMS**  
**(Revised Syllabus with effect from 2021-22)**

**Unit 1: Economic Reforms -1991**

Economic Reforms–Need for Economic Reforms in India–Reforms of 1991–Appraisal of Economic Reforms in the Market Economy–Future Directions of Economic Reforms

**Unit 2: Reforms In Banking Sector**

Economics of Liberalization and Privatization–Banking and Financial Sector Reforms in India–Liberalizing Interest Rates–Narasimham Committee Report on the Financial System– Non-Banking Financial Companies : RBI Directions–Disinvestment in Public Sector Units.

**Unit 3: Reforms In Agricultural Sector**

Structural Reforms–Macroeconomic Stability–Fiscal Policy and Economic Reforms in India–Economic Reforms in Agricultural and Rural Development.

**Unit 4: Industrial Reforms**

Industrial Reforms–Impact of Reforms on Poverty and Employment–New Economic Policy and Sustainable Development–Strengthening Social Sectors and Safety nets.

**Unit 5: Reforms In Trade**

Globalization of Indian Economy–Trade Reforms–Impact on Trade–Foreign Direct Investment–Multinationals– WTO–Problem of Foreign Debt.

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**M.A. ECONOMICS**  
**SEMESTER – IV**  
**PAPER – ECO- 403 (a) : India's Economic Reforms**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. What was the immediate cause for the introduction of LPG in India in 1991?
2. What was the need for Devaluation of Indian rupee in 1991?
3. Write a short note on Bank mergers in India in recent years.
4. What are the reasons for the growth of NPAs in the Banking sector?
5. State the need for implementation of Minimum Support Price for major Agricultural products.
6. Identify the major risks in Agricultural sector.
7. What justification do you have to merging of Micro and Small industries with Medium industries?
8. Write a short note on the Corporate Social Responsibility (CSR).
9. What was Multi-Fiber Arrangement? When was it removed?
10. What is debt sustainability?

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Make an assessment of India's Economic Reforms since 1991 focusing on its successes and failures.  

**OR**

(b). Elucidate the major reforms undertaken in India on taxation.
- 12 (a). What are the major arguments in support of the privatization of commercial banks in India?  

**OR**

(b). Analyse the growth and structure of Non-financial Companies in India and their effect on the implementation of monetary policy.
- 13 (a). Critically examine the major reform measures initiated in Indian Agriculture since 1991.  

**OR**

(b). Assess the impact of economic reforms in India since 1991 on Macroeconomic stability.
- 14 (a). Analyse the impact of economic reforms on the eradication of poverty in India.  

**OR**

(b). What is Sustainable Development? What measures are taken towards ensuring Sustainable Development in India in recent years?
- 15 (a). Make an assessment of the impact of Liberalized Trade Policies on the growth of India's foreign trade.  

**OR**

(b). Critically examine the functioning of the MNCs in India.

**SEMESTER – IV**  
**ECO 403(B): ENTREPRENEURSHIP AND SKILL DEVELOPMENT**  
**(Revised Syllabus with effect from 2021-22)**

**Unit I: Entrepreneurship**

Concepts of Entrepreneurship - Functions and Types of Entrepreneurs - Motivation and Competency – Entrepreneurship - Women Entrepreneurship and Economic Development.

**Unit ii: Organizations For Entrepreneurship Development**

Programmes for the Development of Entrepreneurship - National and State Level Organizations - Entrepreneurship Development Institute of India (EDII) - National Institute for Entrepreneurship and Small Business Development (NIESBUD) - National Science and Technology Entrepreneurship Development Board (NSTEDB) - National Institute of Small Industry Extension and Training (NISJET).

**Unit iii: Identification And Preparation Of Project Report**

Identification of Project – Objectives of Project – Methods and Contents of Project Report – Formulation and Appraisal of Project Report.

**Unit Iv: Development Of Skills**

Need for the Development of Skills – Communication Skills – Verbal and Non-Verbal Communication – Barriers to Communication – Individual Interaction Skills – Basic Interaction Skills - Leadership Skills - Working Individually and as a Team - Personality Development – Intra and Inter-personal Communication Skills.

**Unit V: Organizations For Skill Development**

Skill Development Mission – PM’s National Council on Skill Development – National Skill Development Coordination Board – National Skill Development Corporation – SIKSHAM- National Skill Foundation of India(NSFI) – Skill Development Initiative (SDI) - Kaushal Vikas Yojana (KVY) – AP State Skill Development Board.

**REFERENCES:**

1. Kent G. A, 1982, Encyclopedia of Entrepreneurship, Prentice Hall, USA
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3. Michael and et al, 1998, Educating Entrepreneurs for Wealth creation, Aghgate Publisher, Hampshire, U.K.
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**M.A. ECONOMICS**  
**SEMESTER – IV**  
**PAPER – ECO- 403 (b) : Entrepreneurship and Skill Development**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. What are the functions of Entrepreneurs?
2. Write about women Entrepreneurs?
3. What are the different types of Entrepreneurs?
4. Write about the concept of Entrepreneurship?
5. Verbal and Non-Verbal communication?
6. Communication Skills?
7. Entrepreneurship Development Institute of India (EDII)?
8. Leadership Skills?
9. Barrier to communication skills?
10. Motivation?

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Explain the nature and characteristics of Entrepreneurs?  
**OR**  
(b). Explain the role of entrepreneur in Economic Development?
- 12 (a). National Institute for Entrepreneurship and small Business Development?  
**OR**  
(b). Describe the problems of women entrepreneur?
- 13 (a). Explain the concept of project report?  
**OR**  
(b). National Science and technology Entrepreneurship Development Board (NSTEDB)?
- 14 (a). Explain National Skill Development Corporation?  
**OR**  
(b). Explain the formulation and Appraisal of Project Report?
- 15 (a). National Institute of Small Industry Extension and Training (NISIET)?  
**OR**  
(b). Write about AP State Skill Development Board?

**SEMESTER – IV**  
**ECO 403:(C) LABOUR ECONOMICS**  
**(Revised Syllabus with effect from 2021-22)**

**Unit 1: Labour Markets**

Nature and Characteristics of Labour Markets in India-Types of Labour Markets- Concept and Types of Labour-Composition of Labour in Different Sectors-Lewis Surplus Model-Demand for Labour in the Long Run-Labour Supply Analysis.

**Unit 2: Wage Determination**

Wage Theories of Ricardo, J.S.Mill and Karl Marx-Marginal Productivity Theory of Wages-Bargaining Theory of Wages-Principles of Wage Determination-Wage Determination in Various Sectors- Organized-Unorganized and Informal Sectors.

**Unit 3: The Wage Policy In India**

National Wage Policy and Economic Development-Concepts of Minimum, Fair and Living Wages-Minimum Wages Act-1948-Role of Wage Boards in Wage Fixation-Profit Sharing Schemes and Payment of Bonus.

**Unit 4: Employment**

Concept and Types of Unemployment in India-Variou programmes to solve the problem of unemployment during plan Era – Philip’s curve – relationship between employment and unemployment.

**Unit 5: State And Labour**

Features of Industrial Labour-Trade Union Movement-its Defects and Measures to Strengthen the Movement in India-Social Security and Welfare Measures in India-Second National Commission on Labour.

**REFERENCES**

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**M.A. ECONOMICS**  
**SEMESTER – IV**  
**PAPER – ECO- 403 (c) : Labour Economics**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Types of Labour Markets
2. Concepts and Types of Labour
3. Labour Supply Analysis
4. Ricardo Wage Theory
5. Bargaining theory of Wages
6. Concept of Minimum and Fair Wages
7. Types of Unemployment
8. Minimum Wages Act -1948
9. Features of Industrial Labour
10. Phillips Curve

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Explain the natural Characteristics of Labour migration in India  
OR  
(b). Describe the composition of labour in different sectors
- 12 (a). Discuss the Lewis Surplus Theory  
OR  
(b). Explain the demand for labour
- 13 (a). Discuss about Principles of Wage Determination  
OR  
(b). Explain the marginal productivity theory of Wages
- 14 (a). Discuss about national wage policy and economic development  
OR  
(b). Explain the role of wage boards in wage fixation
- 15 (a). Describe the various programmes to solve the problem of unemployment  
OR  
(b). Explain the Social Security and welfare measures in India

**SEMESTER - IV**  
**ECO 403 (D) ECONOMICS OF INSURANCE**  
**(with effect from the academic year 2021-22)**

**Unit-I: Introduction**

Economic Security, Exposure to Losses - Definition of Insurance - Risk pooling and Risk Transfer, Social Vs. Private Insurance - Life Vs. Non- Life Insurance - Classification of Life, Health and General Insurance Policies

**Unit-II: Risk and Risk Management**

Fundamentals of Uncertainty and Risk, Classification of Risk - Concepts of Risk Management - Essentials of Risk Management, Elements of Risk Management - Risk Assessment - Risk Control - Risk Financing - Concepts of Re-insurance - Types of Re-insurance - Re-insurance Markets

**Unit- III: Insurance and Economic Development**

Risk Management and Insurance in Economic Development- Insurance Institutions as Financial Intermediaries, Insurance Institutions as Investment Institutions - Regulations governing Investments of Insurance Institutions in India

**Unit-IV: Types of Insurance**

Life and Health Insurance - Fundamentals of Life and Health Insurance - Functions of Life and Health Insurance - Plans of Life Insurance - Selection of Risks - Underwriting of Life and Health Insurance - Group Insurance - General Insurance - Definition of General Insurance - Types of General Insurance - Fundamentals of the Following Concepts - Common Law Equity Proposal - Indemnity, Insurable interest, Contribution, Subrogation - Utmost good faith, Physical and Moral Hazards - Marketing of General Insurance.

**Unit-V: Insurance for Retirement Needs and Regulations**

Retirement Planning Strategies - Investment for Retirement - Pension Plans - Pension Plans in India - Regulation of Insurance - Insurance Regulation in India - Insurance Regulation and Development Authority (IRDA).

**REFERENCES:**

1. Bhole, L.M., 1990, The Indian Financial System, Tata McGraw Hill, New Delhi.
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**M.A. ECONOMICS**  
**SEMESTER – IV**  
**PAPER – ECO- 403 (d) : Economics of Insurance**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Definition of Insurance?
2. What is the Risk Financing?
3. Define Re-Insurance Markets?
4. Concept of Re-Insurance?
5. What is the risk Management?
6. Meaning of Social Insurance?
7. Determine Private Insurance sector?
8. What is the Group Insurance
9. Define Institutional Financial intermediaries?
10. Explain the Retirement Pension Plans?

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Discuss the Risk Pooling and Risk Transfer of Insurance sector?  
**OR**  
(b). What is the economic Security, Expose sure to Losses in Insurance Sector in India?
- 12 (a). Analyse the types Insurance and Economic Development in India?  
**OR**  
(b). Determine the Life Vs Non- Life Insurance?
- 13 (a). Explain the interaction between economic development and tourism sector in India?  
**OR**  
(b). Classification of Risk and Explain the Essential of Risk management, Element of Risk Management of Insurance Sector?
- 14 (a). Describe the insurance and economic development of institutions as Investment in Insurance governing in India?  
**OR**  
(b). Explain the Health and General Insurance Policies?
- 15 (a). Discussed Common Law Equity Proposal, Indemnity, Insurable interest, Contribution, Subrogation levels?  
**OR**  
(b). What is the retirement planning strategies and Insurance Regulation and development Authority (IRDA) in India? Explain

**SEMESTER - IV**  
**ECO 404 HUMAN RESOURCE AND SUSTAINABLE DEVELOPMENT**  
**(with effect from the academic year 2021-22)**

**Unit-I: Economics of Growth and Development**

Concepts of Economic Growth, Development and Under development – Measurement of Economic Growth and Development – Traditional, Welfare and Modern Approaches – Characteristics of Developing Economies.

**Unit-II: Factors in Economic Development**

Population and Economic Development – Optimum Theory of Population – The Theory of Demographic Transition – Role of Capital in Economic Development – Capital -Output Ratio - Technology in Economic Development - Choice of Techniques and Appropriate Technology.

**Unit-III: Nature and Scope of HRD**

Nature and Scope of Human Resource Development – Factors influencing HRD – HRD in Developed and Developing Countries - Human Resource Development in India – HRD and Development Strategy.

**Unit-IV: Education and HRD**

Role of Education in Human Resource Development – Education as Consumption and Investment – HRD and Economic Development.

**Unit-V: Health and Human Resource Development**

Health and Economic Development – Measurement of Health Status – Trends in Mortality and Morbidity - Population Growth and Health Status – Growth of Corporate Health in India.

**REFERENCES:**

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**M.A. ECONOMICS**  
**SEMESTER – IV**  
**PAPER – ECO- 404 : Human Resource and Sustainable Development**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. What is the concept of Economic Growth?
2. What is the theory of Demographic Transition?
3. What is the technology in Development?
4. Capital Output Ratio?
5. Trends in Mortality?
6. What is the development Strategy?
7. What type of performance of factor influencing?
8. What type of resources in HRD?
9. Explain the morbidity in health sector?
10. What are factors in sustainable development?

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Explain the measurement of Economic growth and development in developing countries?  
**OR**  
(b). Write few traditional, welfare and modern approaches in HRSD?
- 12 (a). Explain social and economic factor determine by the population and economic development?  
**OR**  
(b). Write the difference between HRD and Economic Development?
- 13 (a). What are the challenges in human resource development in India?  
**OR**  
(b). Discusses the Health and Economic development in developed and developing Countries?
- 14 (a). Describe the growth of corporate health in India? Explain  
**OR**  
(b). Explain the nature and scope of population and HRD Development Strategy in India?
- 15 (a). What type of the indicators of education as consumption and investment levels in India?  
**OR**  
(b). Discusses the technology and techniques of decentralisation and appropriate technology?

**SEMESTER – IV**  
**ECO 405(A)- HUMAN RESOURCE DEVELOPMENT**  
**(Revised Syllabus with effect from 2021-2022)**

**Unit-I: Nature and Scope of HRD**

Nature and Scope of Human Resource Development – Factors influencing HRD – HRD in Developed and Developing Countries - Human Resource Development in India – HRD and Development Strategy.

**Unit-II: Education and HRD**

Role of Education in Human Resource Development – Education as Consumption and Investment – HRD and Economic Development.

**Unit-III: Health and Human Resource Development**

Health and Economic Development – Measurement of Health Status –Trends in Mortality and Morbidity - Population Growth and Health Status – Growth of Corporate Health in India.

**Unit-IV: Nutritional Status, and Human Resource Development**

Nutritional Status in India – Measurement of Nutritional Status – Nutritional Development - Food Security - Programmes to Prevent Malnutrition in India.

**Unit-V: HRD and Human Values:**

HRD and Human Values – Human Development and Pre and Post Gandhian Thought – Right to Work and Public Participation.

**REFERENCES:**

1. Baru, R.V., 1998, Private Health Care in India – Social Characteristics and Trends, Sage Publications, New Delhi.
2. Becker, G.S., 1974, Human Capital (2<sup>nd</sup> Edition), National Bureau of Economic Research, New York.
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**M.A. ECONOMICS**  
**SEMESTER – IV**  
**PAPER – ECO- 405 (a) : Human Resource Development**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Scope of Human Resource Development?
2. Strategies of Human Resource Development?
3. Role of Education in Human Resource Development?
4. Growth of Corporate Health in India?
5. Mortality and Morbidity?
6. Nutritional Status in India?
7. Food Security in India?
8. HRD and Human Values?
9. Nature of HRD?
10. What are the parameter of HRD?

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Is Education and Consumption & Investment - Explain?  
**OR**  
(b). Explain the Pre-Post Gandhian Thought of HRD?
- 12 (a). Write note on measurement of Nutritional Status in India?  
**OR**  
(b). How to relation between HRD and Economic Development – Explain?
- 13 (a). Analyse the various functions of HRD.  
**OR**  
(b). Explain the measurement of Health Status in India.
- 14 (a). Describe the various programmes to prevent Mal-nutrition in India?  
**OR**  
(b). Discuss the various trends in Mortality and Morbidity?
- 15 (a). Discuss the HRD in Developed and Developing Countries?  
**OR**  
(b). Explain the Human Resource Developing in India?

**SEMESTER – IV**  
**ECO 405(B)- PLANNING IN INDIA AND INDIAN ECONOMY**  
**(Revised Syllabus with effect from 2021-2022)**

**MODULE-I: SECTORAL ASPECTS, TRADE AND ECONOMIC DEVELOPMENT**

Agriculture and Economic Development; Industrialization in developing Nations – The Choice of Techniques and Appropriate Technology; Foreign Trade and Economic Development: W.T.O. and Developing Countries.

**MODULE-II: MACRO ECONOMIC POLICIES AND DEVELOPMENT**

Monetary policy – objectives, Role of Monetary policy and its limitations in Developing Countries; Fiscal Policy – importance and Objectives of Fiscal Policy in Developing Countries; Foreign investment and Foreign Aid-Importance and Components of Foreign investment and Foreign Aid – Importance and Components of Foreign Capital; Advantages and Disadvantages of Private Foreign investment; Case for and against Foreign Aid; Technology Transfer and MNCs.

**MODULE-III: ALLOCATION OF RESOURCES**

Investment criteria – Need for investment criteria in Developing Countries; Marginal Rule for Resource Allocation; Turnover Criterion; The Social Marginal Productivity criterion; The Reinvestment Criterion and The Time Series Criterion; Project Evaluation and Cost Benefit Analysis – Need and stages of Project Evaluation, Criteria for cost Benefit Analysis. Limitations and Uses of Cost-Benefit Analysis; Shadow prices – Meaning and Need for Shadow Prices - Determination of Shadow prices, Difficulties and Uses of Shadow Prices.

**MODULE-IV: PLANNING AND TYPES OF PLANNING**

Meaning of Economic Planning; Need for Planning in underdeveloped Countries; Types of Planning – Planning under Capitalism and Planning under Socialism, Planning in a Mixed Economy, Planning by Direction and Planning by inducement, Democratic Planning, Decentralized Planning and Indicative Planning; Planning for Inclusive Growth.

**READING LIST**

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3. Chakravarthi, S, Development Planning: The Indian Experience, Oxford: Clarendon Press.
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**M.A. ECONOMICS**  
**SEMESTER – IV**  
**PAPER – ECO- 405 (b) : Planning in India and Indian Economy**  
**(Revised Syllabus with effect from 2021-2022)**

**Time: 3 Hours**

**Max. Marks = 80**

**SECTION – A**

**Answer any Five Questions. Each Question carries 4 marks (5 x 4 = 20)**

1. Explain the importance of Agriculture and Economic Development?
2. Write a note on planning under capitalism?
3. What is the need of Industrialization in Developing Nations?
4. Explain the Planning in a Mixed Economy?
5. What are the meaning and Need for Shadow Prices?
6. Write a note on planning commission?
7. Write a note on Need for Investment criteria in India?
8. What is the determination of Shadow Prices?
9. What is the Need and Stages of Project Evolution?
10. What are the function of Wold Trade organisation?

**SECTION – B**

**Answer all Questions. Each question carries equal marks (5 x 12 = 60)**

- 11 (a). Explain the Regional Planning Policy in India?  
**OR**  
(b). Describe the limitations and uses of Cost-benefit Analysis?
- 12 (a). What are the advantages and disadvantages of private foreign investment?  
**OR**  
(b). Write about different types of planning in India?
- 13 (a). Role of monetary policy and its limitation in India? Explain?.  
**OR**  
(b). Explain about Foreign trade and Economic Development?
- 14 (a). Explain the main role of fiscal policy in India?  
**OR**  
(b). Explain the need and stages of project evaluation?
- 15 (a). Describe Foreign Aid and Importance of Foreign Capital?  
**OR**  
(b). Describe the importance and components of Foreign Capital?