

**VIKRAMA SIMHAPURI UNIVERSITY  
NELLORE**



**SYLLABUS  
FOR  
M.A. ECONOMICS**

**VIKRAMA SIMHAPURI UNIVERSITY**  
**NELLORE, A. P., INDIA**  
**Master of Arts (M. A.) in Economics**  
**Revised CBCS Pattern with effect from 2017-2018**

Semester	Components of study	Course Number	Title of the Course	Instru- tion hours per week	Cred its	IA marks	End semester exam marks	Total
I	Core	ECO 101	Micro Economics-I	6	4	30	70	100
		ECO 102	Macro Economics-I	6	4	30	70	100
		ECO 103	Public Economics	6	4	30	70	100
		ECO 104	Mathematical Methods in Economics	6	4	30	70	100
	Elective (Choose any one)	ECO 105 (a)	Economics of Environment	6	4	30	70	100
		ECO 105 (b)	Demography	6	4	30	70	100
Compulsory Foundation	ECO 106	Human Values and Professional Ethics – I	6	4	30	70	100	
II	Core	ECO 201	Micro Economics-II	6	4	30	70	100
		ECO 202	Macro Economics- II	6	4	30	70	100
		ECO 203	Statistical Methods in Economics	6	4	30	70	100
		ECO 204	Computer Applications in Economics	6	4	30	70 (Theory-50+ Practicals -20)	100
	Elective (Choose any one)	ECO 205 (a)	Rural Development	6	4	30	70	100
		ECO 205 (b)	Welfare Economics	6	4	30	70	100
Compulsory Foundation	ECO 206	Foundation Course in Computer Applications	6	4	30	70	100	
III	Core	ECO 301	Economics of Growth and Development	6	4	30	70	100
		ECO 302	Indian Economy	6	4	30	70	100
		ECO 303	International Trade:Theory and Policy	6	4	30	70	100
		ECO 304	Agricultural Economics	6	4	30	70	100
	Elective (Choose any one)	ECO 305 (a)	Financial Institutions and Markets	6	4	30	70	100
		ECO 305(b)	Economics of Human Resource Development	6	4	30	70	100
	Compulsory Foundation	ECO 306	Human Values and Professional Ethics II	6	4	30	70	100
	Open Elective	ECO 307 (a)	Economics of Infrastructure	6	4	30	70	100
ECO 307 (b)		Economics of Information Technology	6	4	30	70	100	
IV	Core	ECO 401	Labour Economics	6	4	30	70	100
		ECO 402	Industrial Economics	6	4	30	70	100
		ECO 403	Economics of Insurance	6	4	30	70	100
		ECO 404	International Finance	6	4	30	70	100
	Elective (Choose any one)	ECO 405 (a)	Entrepreneurs and Skill Development	6	4	30	70	100
		ECO 405 (b)	Andhra Pradesh Economy	6	4	30	70	100
	Compulsory Foundation	ECO 406	Advanced Course in Computer Applications	6	4	30	70	100
	Open Elective	ECO 407 (a)	India's Economic Reforms	6	4	30	70	100
ECO 407 (b)		Urban Economics	6	4	30	70	100	

Note: The minimum credits per semester will be 24 and total minimum credits for all the semesters will be 96.  
Two mid tests will be conducted for each theory paper in each semester. The average of the two will be taken for 30 marks.

# **SEMESTER – I**

**SEMESTER – I**  
**ECO 101: MICRO ECONOMICS – I**  
**(Revised Syllabus with effect from 2017-2018)**

**Unit 1: Demand Analysis**

Demand Analysis: Marshall's Cardinal Utility Approach -Hicks Indifference Curve Analysis- Income and substitution effects (Slutsky and Hicks)-Samuelson's Revealed Preference Theory – Recent Developments in Theory of Demand: Pragmatic Approach-Linear Expenditure System, Constant Elasticity of Demand Function-Neumann-Morgenstern Utility Index

**Unit 2: Theory of Production**

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.

**Unit 3: Cost, 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**

Classification of Market-Price and Output determination under Perfect Competition, Monopoly and Monopolistic Competition-Price Discrimination under Monopolistic Competition

**Unit 5: Price and Output Determination under 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., 2014, Modern Micro Economics (18<sup>th</sup> Revised Edition), S.Chand & Company, New Delhi.
2. Dewett.K.K., 2014, Modern Economic Theory (Revised Edition), S.Chand & Company, New Delhi.
3. Baumol, W.J., 1982, The Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi.
3. Borch, K.H., 1968, The Economics of Uncertainty, Princeton University Press, Princeton.
4. Koutsoyiannis, A., 1979, Modern Micro Economics, Second Edition, Macmillan Press, London.
5. Watson, Donald S., 1967, Price theory and its uses, Scientific Book Agency, Calcutta.
6. Diamond and Roths Child (Ed), 1978, Uncertainty in Economics, Academic Press, New York.
7. John Von Neumann and Oskar Morgenstern, 1947, Theory of Games and Economic Behaviour, Second Edition, Princeton University Press, Princeton.
8. Ahuja, H.L., 2013. Advanced Economic Theory- Micro Economics Analysis, S.Chand & Co.

**SEMESTER – I**  
**ECO 102: MACRO ECONOMICS – I**  
**(Revised Syllabus with effect from 2017-2018)**

**Unit 1: 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.

**Unit 2: 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 3: Consumption Function**

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

**Unit 4: Investment Function**

Marginal Efficiency of Investment and level of Investment – Marginal Efficiency of Capital and Investment: Long run and Short run-- The Accelerator and Investment Behavior - Impact of Inflation – Influence of Policy Measures on Investment

**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., 2014, 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 NaraiAgarwal Publications, Agra.

**SEMESTER – I**  
**ECO 103: PUBLIC ECONOMICS**  
**(Revised Syllabus with effect from 2017-2018)**

**Unit -I : Functions of the Government**

Definition and Objectives of Public Economics - Role of the Government in the Mixed and Market Economy - Major Fiscal Functions of the Government - Positive and Normative Approaches to Public Finance - Maximum Social Advantage and Allocation of Resources.

**Unit-II: Sources of Public Revenue**

Taxes as the sources of Revenue - Principles of Taxation -Tax Shifting and Incidence - Characteristics of a good tax system - Tax Structure in India - Tax and Non-Tax Revenue - Revenue from Direct and Indirect Taxes - Effects of Taxation - Concept and Measurement of Taxable Capacity - Review of Tax Proposals of Raja. J. Chellaiah - Recent Reforms in Taxation: Direct and Indirect Taxes-GST

**Unit-III: Public Budget and Expenditure**

Concept of Budget- Cannons of Public Budgeting - Types of Budgets-Zero-Based Budget -Deficit, Surplus and Balanced Budgets -Deficit Financing - Objectives of Monetary and Fiscal Policies - Analysis recent Budgets

Public Expenditure: Increasing State Activities in modern times - Wagner's Law and Peacock and Wiseman Hypothesis- Recent Trends in the Growth of Public Expenditure - Effects and Regulation of Public Expenditure in India.

**Unit -IV: Public Debt**

Public Debt - Sources of Public Debt - Classification of Public Debt - Debt Burden Controversy- Classical and Keynesian views - Methods of Debt Redemption - Objectives and Principles of Public Debt Management -- Recent Trends in Public Debt in India - Public Debt and Economic Development in India.

**Unit- V: Federal Finance in India**

Essential Features of Federal System in India- Concept of Fiscal Federalism - Problems of Federal/Multi-Unit Finance - Vertical and Horizontal Fiscal Imbalances – Centre – State Relations - Financial Mechanism of Central transfers to States and Local Governments -Functions of Finance Commission- Recommendations of Thirteenth and Fourteenth Finance Commissions.

**REFERENCES:**

1. Om Prakash (2012) Public Economics: Theory and Practice., Vishal Publishing Co. Jalandhar.
2. Ambar Ghosh and Chandana Ghosh (2014) Public Finance (2nd Edition) PHI learning Private limited, Delhi.
3. Bernard P. Herber (1999) Modern Public Finance (s" Edition), AITBS Publishers and Distributors, Delhi.
4. Sankaran, S (1999) Fiscal Economics (An Introduction to Public Finance) (4th Edition) Margham Publications, Chennai.
5. Bhargava R.N. 1971, The Theory and practice of Union Finance in India, Chaitanya Publications, Allahabad.
6. Dwivedi P.N. (ed) Reading in Indian Public, Finance, Chanakya publication, New Delhi.
7. Musgrave Richard A and Peacock Allen, T, 1976, Classics in theory of Public Finance, Macmillan, London.
8. SudiptoMundle (ed), 1997, Public Finance, Policy issues for India, Oxford University Press.
9. RaghendraJha, 1998, Modern Public Economics, Routledge, London.
10. Musgrave R.A. and Musgrave P.B., 1976, Public Finance in Theory and Practice, McGraw Hill, Tokyo.
11. Musgrave R A, 1976, Classics in Theory of Public Finance, A Study of Public Finance, McGraw Hill, Tokyo.
12. Chellaiah Raja J., 1971, Fiscal Policy in Underdeveloped Countries with Special Reference to India, George Allen and Unwin, London.
13. Chellaiah Raja J. (Ed), 1981, Trends and Issues in India's Federal Finance, National Institute of Public Finance and Policy, New Delhi.
14. Lakadawala D.T., 1969, Union State Financial Relations, Lalwani Publishers House, Mumbai.
15. Reports of the Indirect Taxation Enquiry Committee.
16. R.B.I. Monthly Bulletins.
17. CMIE Monthly Publications.
18. Economic Surveys, Government of India, New Delhi.
19. Bhatia, 2014. Public Finance, 27<sup>th</sup> Edn., Vikas Publishing House.

**SEMESTER – I**  
**ECO 104: MATHEMATICAL METHODS IN ECONOMICS**  
**(Revised Syllabus with effect from 2017-2018)**

**Unit-I: Functions and Limits**

Concept of Function- Types of Function -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 problems through Graphical Method –Input-Output Analysis – Assumptions – Formulation and Solutions for simple problems

**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, Prentice 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. Bose, 2007. An Introduction to Mathematical Methods, Himalaya Publishing House.
8. Asthana, 2011. Element of Statistics, S.Chand & Co.
9. Mohan, K.P. 2010. Mathematics for Economics, Centrum Press.
10. Koutsoyiannis, A 2013. Theory of Econometrics. Palgrave Macmillan.

**SEMESTER – I**  
**ECO 105(a): ECONOMICS OF ENVIRONMENT**  
**(Revised Syllabus with effect from 2017-2018)**

**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”.
14. Vohra, 2007. Environmental Economics, Commonwealth Publishers.
15. Pathak, H.K. 2010. Economics of Environmental Development, Cybertech Publishers.



**SEMESTER – I**  
**ECO 105(b): DEMOGRAPHY**  
**(Revised Syllabus with effect from 2017-2018)**

**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, industrialisation and Urbanisation 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

**SEMESTER – I**  
**ECO 106: HUMAN VALUES AND PROFESSIONAL ETHICS**  
**(Revised Syllabus with effect from 2017-2018)**

**UNIT- I**

Definition and Nature of Ethics – Its relation to Religion, Politics, Business, Law Medicine and Environment. Need and Importance of Professional Ethics – Goals – Ethical values in various Professions.

**UNIT- II**

Nature of values – Good and Bad, Ends and Means, Actual and potential values, Objective and subjective values, Analysis of basic moral concepts – right, ought, duty, obligation, justice, responsibility and freedom, Good behavior and respect for elders, character and conduct.

**UNIT- III**

Individual and Society – 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**

Bhagaved Gita – (a). Niskama karma. (b).Buddhism – The Four Noble Truths – Arya astagamarga, (c). Jainism – Mahavratas and anuvratas. Values Embedded in various religions, Religious Tolerance, Gandhian Ethics.

**UNIT- V:**

Crime and Theories of punishment – (a) Reformative, Retributive and Deterrent, (b). Views on Manu and Yajnavalkya.

**REFERENCES:**

1. John S.Mackenzie: A manual of Ethics.
2. ‘The Ethics of Management’ by Larue Tone Hosmer, Richard D.Irwin Inc.
3. “Management Ethics – integrity at work” by Joseph A.Petrick and John F.Quinn, Response Books: New Delhi.
4. “Ethics in Management” by S.A. Sherlekar, Himalaya Publishing House.
5. Harold H.Titus: :Ethics for Today
6. Maitra.S.K.:Hindu Ethics.
7. Willaiam Lilly: Introduction to Ethics.
8. Sinha: A Manual of Ethics.
9. Manu: Manava Dharma Sastra or the Institute of Manu: Comprising the Indian system of Duties: Religious and Civil (ed,) G.C Houghton.
- 10.Susrutasamhita: Tr.Kaviraj Kunjanlal, Kunjalal Brishagratha, Chowkamba Sanskrit series, Vol I, II and III, Varanasi, Vol. 100, 16-20, 21.32 and 74-77 only.
- 11.Caraka Samitha: Tr.Dr. Ram karanSarma and Vaidya Bahagavan Dash, Chowkambha Sanskrit Series office, Varansai I, II, III Vol.Ipp 183-191.
- 12.Ethics, Theory and Contemporary Issues, Barbara Mckinnon, Wadsworth/Thomson Learning, 2001.
13. Analyzing Moral issues, JuidithA.Boss, Mayfield Publishing Company, 1999.

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## **SEMESTER – II**

**SEMESTER – II**  
**ECO 201: MICRO ECONOMICS – II**  
**(Revised Syllabus with effect from 2017-2018)**

**Unit 1: Modern Theories of 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.

**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., 2013, Advanced Economic Theory: Micro Economic Analysis, S.Chand and Company, New Delhi.

**SEMESTER – II**  
**ECO 202: MACRO ECONOMICS – II**  
**(Revised Syllabus with effect from 2017-2018)**

**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 Classics: 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.
13. Kulakarni, K.G. 2007. Simplified Macro-Monetary Theory. Kendall Hunt Publishing Company.
14. Mankiw, 2013. Principles of Macro Economics, Cengage Learning.

**SEMESTER – II**  
**ECO 203: STATISTICAL METHODS IN ECONOMICS**  
**(Revised Syllabus with effect from 2017-2018)**

**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 (Theory only).

**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.

**SEMESTER – II**  
**ECO 204: COMPUTER APPLICATIONS IN ECONOMICS**  
**(Revised Syllabus with effect from 2017-2018)**

**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.

**Unit 5:MS Access**

The Concept of Database Management System - Creating NewDatabase Files – Fields – Records – Files - Viewing forms, Query and Reports.

**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 McGraw 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 McGraw- Hill Publishing Co., New Delhi.
7. Ravichandran, D., 2001, Introduction to Computers and Communication, Tata McGraw 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.
10. Sudalaimuthu, 2015. Computer Applications in Business. Himalaya Publishing House.
11. Reema Thareja, 2014. Fundamentals of Computers, OUP India.
12. Pradeepk Sinha, Priti Sinha 2011. Computer Fundamentals, BPB Publications
13. Norton 2014. Introduction to Computers. TMH Publishing Company Limited, New Delhi.

**SEMESTER – II**  
**ECO 205 (a): RURAL DEVELOPMENT**  
**(Revised Syllabus with effect from 2017-2018)**

**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)–SwarnaJayanthi Gram SwarozorYojana (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 ArisurRahman, 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.
3. Desai, Vasant, 1986, Rural Development: issues and Problems, Himalaya Publishing House, Bombay.
4. Desai, Vasant, 1986, Rural Development Programmes and Strategies, Himalaya Publishing House, Bombay.
5. Desai, Vasant, 1988, Rural Development: Experiments in Rural Development, Himalaya Publishing House, Bombay.
6. Katar Singh, 1996, Rural Development Principles, Policies and Management, Sage Publications, New Delhi.
7. Desai, Vasant, 1988, Rural Development: Rural Development Through the Plans, Himalaya Publishing House, Bombay.
8. Chambers Robert, 1985, Rural Development: Putting the Last First, Longman, London.
9. K.Venkata Reddy, Agriculture and Rural Development, Himalaya Publishing House, Bombay.
10. Norman, T.Uphoff, 1982, Rural Development and Local Organization, Macmillan India Ltd., Delhi.
11. Bhattacharya, S.N., 1980, Rural Industrialization in India, Publishing Corporation, Delhi.
12. Hanumaiah, G., 1979, Studies in Rural Development, Chough Publications, Allahabad.
13. Mishra, S.N. and Kushal Sharma, 1983, Problems and Prospects of Rural Development in India, Uppal Publishing House, New Delhi.
14. Chambers, 1983, Rural Development, Longman, New Delhi.
15. Vasant Desai, 2009. Rural Development in India, Himalaya Publishing House.
16. Yadava, G.P. 2013. Rural Development and Poverty Alleviation, Centrum Press.



**SEMESTER – II**  
**ECO 205 (b): WELFARE ECONOMICS**  
**(Revised Syllabus with effect from 2017-2018)**

**Module 1:** Benthamite Approach to Aggregate Welfare; Optimum Resource Allocation and Welfare maximization, Assumption of Uniform Income-Utility Function of Individuals: Question of Income Distribution; issue of Interpersonal comparisons of Utility.

**Module 2:** Marshallian Welfare Economics; Consumer's Surplus : Measurement of Consumer's Surplus-difficulties involved, Criticism; Principle of Compensating variation; Hicks's Four consumers surpluses; concept of Consumer's Surplus; Consumer's Surplus and Tax Bounty Analysis.

**Module 3:** Pareto Optimality exchange conditions, The production optimum, the consumption optimum, Concept of Contract curve; Top level optimum; Infinite number of non-comparable optima Vs unique social optimum.

**Module 4:** Compensation criteria-Contributions of Barone, Kaldor and Hicks. The Scitovsky double criterion, Concept of Community indifference map, Samuelson's utility possibility curve; value judgments and welfare economics-, Bergson's social welfare function Arrow's possibility theorem.

**Module 5:** Divergence between private and social costs; Problems of non-market interdependence; Externalities of production and consumption; External economies and diseconomies; Problem of public goods; Pigovian Welfare economics; Second best optima; Marginal cost pricing, Cost benefit analysis, interdependent utilities; Attempts to develop dynamic welfare analysis.

**Basic Reading List:**

1. Arrow, K.J.(1951), Social Choice and Individual Values, Yale University Press, New Haven.
2. Baumol, W.J (1965), Welfare Economics and the Theory of the State (Second Edition), Longmans, London.
3. Baumol, W.J. (Ed) (2001) Welfare Economics, Edward Elgar Publishing Ltd., UK.
4. Broadway, R.W and N.Bruce (1984), Welfare Economics, Basil Blackwell, Oxford.
5. Duesenberry J.S. (1949), Income, Saving and the Theory of Consumer Behavior, Harvard University Press, Cambridge, Mass.
6. Feldman, A.M. (1980), Welfare Economics and Social Choice Theory, Martinus Nijhoff, Boston.
7. Qraaff, J.de.V (1957), Theoretical Welfare Economics, Cambridge University Press, Cambridge.
8. Little, I. M. D. (1939) A Critique of Welfare Economics (2<sup>nd</sup> Edition), Oxford University Press, Oxford.
9. Marshall, A. (1946), Principles of Economics, Macmillan, London.
10. Myint, H. (1948), Theories of Welfare Economics, Longmans, London Ng.Y.K. (1979), Welfare Economics, Macmillan, London.
11. Nicholas, B.(Ed)(2001), Economic Theory and the Welfare State, Edward Elgar Publishing Ltd., UK.
12. Pigou A.C. (1962), The Economics of Welfare (4<sup>th</sup> Edition), Macmillan.
13. Quirk, J. and R.Saposnik (1968), Introduction to General Equilibrium Theory and Welfare Economics, McGraw Hill, New York.
14. Samuelson , P.A. (1947), Foundations of Economic Analysis, Harvard University Press, Cambridge, Mass.

**SEMESTER – II**  
**ECO 206: FOUNDATION COURSE IN COMPUTER APPLICATIONS**  
**(Revised Syllabus with effect from 2017-2018)**

**UNIT-I**

Introduction to computer systems: Types of computers, Characteristics of Computers; History of computers systems, Evaluation and generation, Basic Anatomy of Computer System: Basic Components, Functions of Components, Memory Software & Hardware Components, Input Devices and Output Devices; Computer software: System Software & application Software; Types of programming Languages: Machine level ,Assembly Level, High-Level and natural languages: Operating Systems: Introduction & functions of O.S. Introduction to Windows XP & Linux.

**UNIT-II**

Introduction to MS-Office: MS-Word –Word basics-Creating & Printing documents-formatting features-mail merge-templates, Macros. MS-Excel: Excel basics- Creating and printing sheets, formula creation, formatting, menu, command ,tool bars, data sort and Usage of built-in function. MS-PowerPoint: Power Point basics – navigating, creating and editing power point presentations, slides creation with Graphics, animation, pictures, auto content wizard. Import and Export of documents, slides and worksheets.

**UNIT III**

**PAGE MAKER:** Navigating in PageMaker- PageMaker Environment Elements, Navigating a PageMaker Document Creating a Document: Document Setup and Saving Using Text Using and Importing Graphics Multi-Page Documents: Multi-Page Document Setup, Master Pages, Inserting Pages and Working with Text Working With Frames: Creating Text Frames Formatting Text: Character Formatting, Paragraph Formatting, Working with Indents, Tabs, and Rules Graphics: Working with Text and Graphics, Attaching Text to a Frame

**UNIT-IV**

Internet Fundamentals: Introduction to NET and their components Basic definitions of LAN, MAN & WAN, Search Engine, Browsing Techniques, Saving, Copying, downloading. E - Mail: Creation of E-mail, sending E-mail, Attaching files reading mails forward, compose, save and reply.

**TEXT BOOK**

A First Course in Computers, 2005 edition, by Sanjay Sexena Vikas Publishing House Pvt. Ltd. (For Unit - I, II, IV)

## **SEMESTER – III**

**SEMESTER – III**  
**ECO 301: ECONOMICS OF GROWTH AND DEVELOPMENT**  
**(Revised Syllabus with effect from 2017-2018)**

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

Concepts of Economic Growth, Development and Underdevelopment–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.

**SEMESTER – III**  
**ECO 302: INDIAN ECONOMY**  
**(Revised Syllabus with effect from 2017-2018)**

**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–Liberalisation, 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. Chakravarthy, 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.
8. Government of India, Economic Survey, (Annual), Ministry of Finance, New Delhi.
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.
17. Ruddar Datt, 1997. Indian Economy, S.Chand & Co.

**SEMESTER – III**  
**ECO 303: INTERNATIONAL TRADE: THEORY AND POLICY**  
**(Revised Syllabus with effect from 2017-2018)**

**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.

**SEMESTER – III**  
**ECO 304: AGRICULTURAL ECONOMICS**  
**(Revised Syllabus with effect from 2017-2018)**

**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:**

1. Bilgrami, S.A.R. (1996) Agricultural Economics, Himalaya Publishing House, Delhi
2. Government of India (2012) Twelfth Five Year Plan (2012–2017) Economic Sectors, Volume II, Agriculture, Planning Commission, New Delhi, Published by Sage Publications.
3. Government of India (2015) Annual Report-2014, Ministry of Agriculture and Cooperation, New Delhi
4. Government of India (2015) Agricultural Statistics at a Glance 2014, Ministry of Agriculture
5. Prabhu Pingali (2006) Agricultural Growth and Economic Development: a view through the Globalization lens, Presidential Address to the 26th International Conference Agricultural Economists, Gold Coast, Australia, 12-18<sup>th</sup>, August, 2006
6. Sadhu and Singh (2004) Fundamentals of Agricultural Economics, Himalaya Publishing House, Mumbai
7. Saini, G.R. (1979) Farm Size, Resource use efficiency and Income distribution, Allied Publishers, New Delhi.
8. Ashok Rudra, 1982. Indian Agricultural Economics Myths Realities, Allied Publications.
9. Srinivasa Murthy & Rameshwari Varma 1984. Agricultural Principles and Economic Development, Himalaya Publications.
10. Ratna Reddy, 1995. Labour Absorption in Agriculture, Prem Rawat.
11. Mutiah Manoharaiyah, P and Arunachalam, P 2003. Agricultural Extension, Himalaya Publications.
12. Srivasthava, O.S. 1996. Agricultural Economics, Rawat Publication.

**SEMESTER – III**  
**ECO 305 (a): FINANCIAL INSTITUTIONS AND MARKETS**  
**(Revised Syllabus with effect from 2017-2018)**

**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– 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.
2. Bhole, 2014. Financial Institutions and Markets, 5<sup>th</sup> Edn., Tata McGraw Hill, New Delhi.
3. V.A. Avadhani, Indian Capital Market, Himalaya Publishing House, Bombay.
4. H.R.Machiraju, International Financial Markets and India, Wheeler Publishing Company, New Delhi.
5. Vasant Desai, Indian Financial System, Himalaya Publications, Bombay.
6. Peter.S.Rose, Money and Capital Markets: Financial Institutions and Instruments, Tata McGraw Hill, London.
7. S.C. Kucchal, Corporation Finance, Chaitanya Publishing, Allahabad.
8. S.L.N.Sinha, Capital Market in India, Vora & Co, Bombay.
9. Hendrik.S. Houthakker, The Economics of Financial Markets, Oxford University Press, New Delhi.
10. O.P. Chawla, Money and Securities Market, NIBH, Pune.
11. Hazel.J.Johnson, Financial Institutions and Markets, McGraw Hill, London.
12. Dougall, Herbert, Capital Markets and Institutions, Prentice Hall of India, New Delhi.
13. V.A. Avadhani, Investment Management, Himalaya Publishing House, Mumbai.
14. V.K. Bhalla, Investment Management, S.Chand and Company, New Delhi.
15. M.Y. Khan and P.K. Jain, Financial Management, Tata McGraw Hill, New Delhi.
16. R.B.I. Bulletins, Reserve Bank of India, Mumbai.
17. Gurusamy, 2014. Financial Markets and Institutions 3<sup>rd</sup> Edn. Tata McGraw Hill.



**SEMESTER – III**  
**ECO 305 (b): ECONOMICS OF HUMAN RESOURCE DEVELOPMENT**  
**(Revised Syllabus with effect from 2017-2018)**

**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 Consevation 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

**SEMESTER – III**  
**ECO 306: HUMAN VALUES AND PROFESSIONAL ETHICS**  
**(Revised Syllabus with effect from 2017-2018)**

**Unit-I**

Value Education – Definition – Relevance to present day – Concept of Human values – Self introspection – 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 needy and elderly – Time allotment for sharing ideas and concerns. (Theory only).

**Unit-II**

Medical Ethics – View of 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 and patients. Social justice in health care, human cloning, problems of abortion. Ethical issues in genetic engineering and Ethical issues raised by new biological technology or knowledge . (Theory only).

**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 (Theory only).

**Unit-IV**

Environmental Ethics – Ethical theory, Man and nature – Ecological crises, Pest control, Pollution and waste, Climate change, Energy of pollution, Justice and environmental health. (Theory only).

**Unit-V**

Social Ethics – Organ trade, Human trafficking, Human rights violation and social disparities, Feminist ethics, Surrogacy/ pregnancy, Ethics of media – Impact of News papers, Televisions, Movies and Internet (Theory only).

**Reference Books:**

1. John S.Mackenzie: A manual of Ethics.
2. “The Ethics of Management” by Larue Tone Hosmer, Richard D.Irwin Inc.
- 3 “Management Ethics – Integrity at work” by Joseph A.Petrick and John F.Quinn, Response Books: New Delhi.
4. “Ethics in Management” by S.A.Sherlekar, Himallaya Publishing .House.
5. Harold H.Titus: Ethics for Today.
6. Maitra, S.K.: Hindu Ethics.
7. Willaim Lilly: Introduction to Ethics.
8. Sinha: A Manual of Ethics.
9. Manu: Manava Dharma Sastra or the Institute of Manu: Comprising the Indian system of Duties: Religious and Civil (ed.) G.C.Haughton.

**SEMESTER – III**  
**ECO 307 (a): ECONOMICS OF INFRASTRUCTURE**  
**(Revised Syllabus with effect from 2017-2018)**

**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 Consevation 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

**SEMESTER – III**  
**ECO 307 (b): ECONOMICS OF INFORMATION TECHNOLOGY**  
**(Revised Syllabus with effect from 2017-2018)**

**Module 1:** Definition of information-industry Value Chain Knowledge Economy-information of Economy-information Economy. Nature and Scope of information Technology-Variou Sources of information.

**Module 2:** The Role of Mass Media, The Tele Communications industry-Origins, The Computer industry – Origins of hardware and software. The Broadcast industry, Cable and Satellite Television.

Theory of public good, information as a public good, Role of Government in information and the Media-Broadcast and Cable Television, Telecom-munications, News Papers.

**Module 3:** information Technology – Labour and Employment-Globalization; Effect on Productivity-Contingent labour-part time employment – impact on Older persons, Gender Issues-Human Resource Development.

**Module 4:** information Technology and the Media in the Global Economy-Global information infrastructure – Relationship between Trade and infrastructure-The General agreement on Trade and Services – WTO basic Telecommunication agreement – WTO information Technology agreement-Trade related intellectual property rights.

**Module 5:** Issues in Media and information Economics – Gap between developed and developing Nations-Piracy-The legal and regulatory environment –The role of the government-information Technology in the Asia ands Pacific- the Geographic shifts in the Electronics industry-Singapore’s National information infrastructure-Malaysia’s National information infrastructure.

**Basic reading List**

Linda low, Economics of information Technology and the Media, World Scientific Singapore University Press, National University of Singapore, Singapore, 2000.

Hal R. Varian ,Joseph Farrell, Carl Shapiro The Economics of Information TechnologyAn Introduction, Cambridge University Press

# **SEMESTER – IV**

**SEMESTER – IV**  
**ECO 401: LABOUR ECONOMICS**  
**(Revised Syllabus with effect from 2017-2018)**

**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**

1. Bhagoliwal T.N.1999, Economics of Labour and Social Welfare, SahityaBhavan, Agra.
2. Dasgupta, A.K., 1976, A Theory of Wage Policy, Oxford University Press.
3. Deshpande, L.K.,P.R.Bramhanada, and E.A.G.Robinson (Ed), 1983, Employment Policy in a Developing Economy, Vol. I and II, Macmillan, London.
4. Deshpande L.K. and J.C.Sandesara (Ed), 1970, Wage Policy and Wage Determination in India, Bombay University Press, Bombay.
5. Dunlop J.T (Ed), 1957, The Theory of Wage Determination, Macmillan, New York.
6. Hicks, J.R., 1932, The Theory of Wages, Clarendon Press, Oxford.
7. Lester R.A., 1964, Economics of Labour MacMillan, New York.
8. Mazamdar, D., 1989, Micro-Economic Issues of Labour Markets in Developing Countries, World Bank, Washington, D.C.
9. McConnel, C.R and S.L. Brue, 1986, Contemporary Labour Economics, McGraw Hall, New York.
10. McCormick, B and Smith, 1968, The Labour Markets, Penguin, Hormonsworth.
11. Palekar, S.A., 1962, Problems of Wage Policy for Economic Development, Asia Publications.
12. Papola, T.S., P.P.Ghosh and A.N.Sharma, 1993, Labour, Employment and Industrial Relations in India, B.R. Publishing Corporation, New Delhi.
13. ReyonIds L., 1951, The Structure of Labour Market, Harper and Brothers, New York.
14. Reynolds Lloyd, 1956, Labour Economics and Labour Relations, Prentice Hall, New York.
15. Riveros, L., 1996, Labour Market Policies and Labour Market Reforms in Socialist Economies, World Bank, Washington, D.C.
16. Saul D.Halfman, 1986, Labour Market Economics, Prentice Hall, INC, New York.
17. Sen A.K., 1975, Employment, Technology and Development, Oxford University Press, New York.
18. Sharma, A.N. and A.Kundu (Ed), 2001, Informal Sector in India, Emerging perspectives, Institute for Human Development, New Delhi.
19. Singh, V.B., 1963, An Introduction to the Study of the Indian Labour Problems, AsiaPublishing House, New Delhi.
20. The Indian Economic Association, 84<sup>th</sup> Conference Volume.
21. Venkata Rathnam, C.S., 2001, Globalization and Labour Management Relations: Dynamics of Change, Sage Publications, New Delhi.
22. Singh, S.D 2010. Labour Economics, Centrum Press.

**SEMESTER – IV**  
**ECO 402: INDUSTRIAL ECONOMICS**  
**(Revised Syllabus with effect from 2017-2018)**

**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
7. Fog B., Industrial Pricing Policies, North Holland, Amsterdam, 1959.
8. GangadharaRao M., HeggadeOdeyar D. and Yadapadithya., Industrial Economy: Trends, Problems and prospects, Part-II, Kanishka Publishing House, New Delhi, 1993.
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.
11. KuchhalS.C., Industrial Economy of India, Chaitanya Publishing House,Allahabad (Latest Edition).
12. Patel S.J., Technological Transformation in the Third World, AldershotAvebury, 1993.
13. Sivayya K.V. and Das V.B.S., Indian Industrial Economy, S.Chand & Company Ltd., Ram Nagar, New Delhi (Latest Edition).
14. Sandesara J.C., Industrial Policy and Planning 1947-1991: Tendencies, Interpretations and Issues, Sage Publication, New Delhi, 1999.
15. Smith D.M., Industrial Location: An Economic Geographic Analysis, John Wiley & Sons, New York, 1971.
16. Stephen Martin., Industrial Economics Analysis & Public Policy, Macmillan Publishing Company.
17. Ranjana Seth, 2015. Industrial Economics, ANF Books.
18. Sankaran, A. 2010. Industrial Economy of India. Serials Publications.

**SEMESTER – IV**  
**ECO 403: ECONOMICS OF INSURANCE**  
**(Revised Syllabus with effect from 2017-2018)**

**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.
2. Black, K.Jr and H.D. Skipper, 2000, Life and Health Insurance, Prentice Hall, N.J.
3. Bailey, R., 1999, Underwriting in life and insurance, LOMA, Atlanta.
4. Bickelhaupt, D.L., 1992, General Insurance, Irwin.Inc.Burr Bridge.
5. Finsinger, J and M.V. Pauly (Eds), 1986, McGraw Hill's life Insurance, The American College, Blyn Mawr Pa.
6. Hedad, G.L., and S. Horn II, 1991, Essentials of Risk Management, VoL 1 , Insurance Institute of America.
7. Skipper, J.H.D. (Ed) 1988, International risk and insurance: An environmental managerial approach, Irwin McGraw Hill, Boston.
8. Taehimo, K.B. and D.A. Linic, 1993, Planning for Retirement needs, The American Collge, Bryn, Mawn pa.
9. Palande, P.S., Shah, R.S and Lunawal, M.L., 1983, Insurance in India, Changing policies and emerging opportunities, Response Books, A division of Sage Publications India.
10. Mishra, MN and Mishra SB, 2016. Insurance Principles and Practice, S.Chand & Co.
11. Georje E Rejda, 2016. Principles of Risk Management and Insurance, Pearson Education, India
12. Indian Institute of Banking & Finance, 2015. Insurance Products, Taxmann.



**SEMESTER – IV**  
**ECO 404: INTERNATIONAL FINANCE**  
**(Revised Syllabus with effect from 2017-2018)**

**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.
3. Kenen, P.B., (1994), The International Economy, Cambridge University Press, London.
4. King, P.G., (1995), International Economics and International Economic Policy: A Reader, McGraw Hill international, Singapore
5. Caves, R.E., and Jones, R.W., World trade and payments.
6. Meade, J.E., The balance of Payments, Oxford University.
7. Brahmanda, 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.
11. Mannur, H.G. 2014. International Economics, Vikas Publishing House.
12. Dwivedi 2013. International Economics – Theory and Policy, Vikas Publishing House.

**SEMESTER – IV**  
**ECO 405 (a): ENTERPRENUERSHIP AND SKILL DEVELOPMENT**  
**(Revised Syllabus with effect from 2017-2018)**

**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) - KaushalVikasYojana (KVV) – AP State Skill Development Board.

**REFERENCES:**

1. Kent G. A, 1982, Encyclopedia of Entrepreneurship, Prentice Hall, USA
2. Markcasson, 2000, Enterprise and Leadership, Edward Elgar., UK
3. Michael and et al, 1998, Educating Entrepreneurs for Wealth creation, Aghgate Publisher, Hampshire, U.K.
4. Patel V.G., 1987, Entrepreneurial Development Programmes in India and its relevance to Developing Countries, World Bank.
5. Samuddin, 1990, Entrepreneurial Development in India, Mittal Publications, New Delhi.
6. Steneson et al, 1986, Importance of Entrepreneurship and Economic Development.
7. Rajiv K Misra, Personality Development, Rupa & Co.
8. Govt. of India (2012) XI Plan Document.
9. Govt. of India (2014) Economic Summary.
10. M.Gangadhar Rao. et al, 1993, Industrial Economy Part-I, Kanishka Publishing House, New Delhi.
11. Katar Singh, 1994, Rural Development Principles, Policies and Management, Sage Publication India, New Delhi.
12. Development Commissioner: Annual Reports, Small Scale Industries, New Delhi.
13. UDAL PAREEK and T. Venkateswara Rao, Developing Entrepreneurship - A Hand Book Learning Systems, New Delhi.
14. Deshpande, M.U., Entrepreneurship of Small Scale Industries, Deep and Deep Publications, New Delhi.
15. D.L. Narayana, 1972, Entrepreneurship and Economic Development, Madurai University Press, Madurai.
16. Dilip S. Swamy, 1994, The Political Economy of Industrialization from Self Reliance to Globalisation, Sage Publication India, New Delhi.

**SEMESTER – IV**  
**ECO 405 (b): ANDHRA PRADESH ECONOMY**  
**(Revised Syllabus with effect from 2017-2018)**

**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.
4. Y.V. Krishna Rao and S.Subramanyam, Development of A.P. 1956-2001 – A Study of Regional disparities, NER Research Central, Vishalandhra Publishers, Hyderabad.
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.
8. CESS Center for Economics and Social Sciences.
9. National Council of Applied Economics Research, New Delhi, Survey of Backward district of A.P.
10. Laxmana Rao, V. Economic Growth of A.P.
11. Andhra Pradesh state Archives, two decades of Development (1956-1976)
12. Selected Socio Economic Indicators – 2007, Directorate of Economics and Statistics Government of A.P. Hyderabad.
13. An outline of Agricultural situation in A.P 2006-07 (DES A.P, Hyd)
14. Socio – Economic Survey 2007-08 Government of A.P (Planning Department)
15. S.Mahendra, Dev Inclusive Growth of Andhra Pradesh

**SEMESTER – IV**  
**ECO 406: ADVANCED COURSE IN COMPUTER APPLICATIONS**  
**(Revised Syllabus with effect from 2017-2018)**

**UNIT-I: Excel 2007**

Creating new Excel workbook, Saving an excel workbook, Adding data to cells, Adding data using auto fill, Inserting cells, Deleting Cells, Wrapping Text, Changing Number Formats, Adding borders to cells, Applying conditional formats, Renaming worksheet, Opening an existing workbook, printing a worksheet or a workbook, Working with charts.

**UNIT-II: Power Point 2007**

Introduction, Creating Presentation, Saving Presentation, Basics of Presentation, Setting Up and running a side show, Changing a layout of a slide, Applying background to a slide, Applying themes to a presentation, working with Basic Graphical Objects, Inserting Media Clips on a slide, Creating a photo album

**UNIT III: Photoshop**

Introduction, An Overview of Adobe Photoshop, What's New in Photoshop 7.0, Looking at the Work Area, Getting Images into Photoshop and Image Ready, Working with Color, Producing Consistent Color (Photoshop), Making Color and Tonal Adjustments, Selecting, Transforming and Retouching, Drawing, Painting, Using Channels and Masks, Using Layers, Applying Filters for Special Effects

**UNIT-IV: IT Hardware**

Inside Desktop and Tower: Enclose, Power Supply, Mother Board, Drives, Expansion Boards, Notes for Disassembly and Re-Assembly, Standardized form Factors. The Pre-Service Checkout: Trouble Shooting Process, The Spare Parts, Benchmarking the PC, Viruses, Quick Start Bench Testing.

**Text Books:**

1. Office 2007 in Simple Steps , Kogent Solutions Inc, dreamtech press, 2008
2. STEPHEN J.BIGELOW-Bigelow's Trouble Shooting, Maintaining & Repairing PC” (TMH)
3. Photoshop 7.0

**SEMESTER – IV**  
**ECO 407 (a): INDIA’S ECONOMIC REFORMS**  
**(Revised Syllabus with effect from 2017-2018)**

**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.

**REFERENCES**

1. CharnD.Wadhva, 1994, Economic Reforms in India and the Market Economy, Allied publishers
2. Jeffrey D. Sachs, AshutoshVanhney and NirupamBajpai (Ed.), 1999, India in the Era of Economic Reforms, Oxford university Press.
3. Mahesh V., Joshi, 1997, Economic Reforms in India, a Critical Evaluation A.P.H. Publishing Corporation, New Delhi.
4. Raj Kapila and Uma Kapila, 1996, Understanding India’s Economic Reforms, Academic Foundation. Delhi, Six Volumes.
5. Om Prakash, 1996, Economics of Liberalization, RBSA Publishers, Jaipur.
6. RuddarDatt and KPM Sundaram, Indian Economy. S. Chand and Company, New Delhi.
7. Raj Kapila and Uma Kapila, 1998, Banking and Financial Sector reforms in India, Academic Foundation (6 Volumes).
8. K.R. Gupta Ed., 1995, Liberalization and Globalization of Indian Economy, Atlantic Publishers, Vol.1&2.
9. BNP Singh, 1994, India’s Economic Reforms, Anmol Publications.
10. I.G. Patel, 1996, Economic reform and Global Change, Macmillan.
11. D.T.Naguyen and KC Roy, 1994, Economic Reforms, Liberalization and Trade in the Asia – Pacific Region, Wiley Estern.
12. V.S. mahajan (Ed.) 1997, Political Economy of Reforms and Liberalization, Deep and Deep Publications; New Delhi, (two volumes).

**SEMESTER – IV**  
**ECO 407 (b): URBAN ECONOMICS**  
**(Revised Syllabus with effect from 2017-2018)**

**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 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:**

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