SYLLABI AND COURSES OF READING FOR B.A.(Hons.) 1ˢᵗ and 2ⁿᵈ sem and M.A. (Hons.) 5 YEARS INTEGRATED COURSE w.e.f. the session 2015-16

Semester-I

Paper. No .	Nomenclature	Theory	Internal Assessment	Total
I .1	Indian Economy: Problems and Prospects –I	80	20	100
I .2	Micro Economics-I	80	20	100
I .3	Mathematics for Economic Analysis –I	80	20	100
I .4	Basic concept in Sociology	80	20	100
I .5	English –I	80	20	100
			Total =500	

Semester-II

Paper. No .	Nomenclature	Theory	Internal Assessment	Total
II .1	Indian Economy: Problems and Prospects-II	80	20	100
II .2	Micro Economics-II	80	20	100
II .3	Mathematics for Economic Analysis – II	80	20	100
II .4	Society, Culture and Social Change	80	20	100
II .5	English –II	80	20	100
			Total= 500	

Total of I & II Semester = 1000

I .1 – INDIAN ECONOMY: PROBLEMS AND PROSPECTS –I

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

UNIT – I

Introduction to Indian Economy – Basic characteristics and features of Indian economy. Economic Planning in India : Features , Objectives and Assessment of Indian Planning. (Plan wise details to be excluded).

UNIT – II

Demographic features of India's population. Inter-state disparities in the pattern of development. Structural Change in the distribution of Income and Workforce in India.

UNIT – III

Poverty and unemployment in India. Programmes for eradication of poverty and unemployment with special reference to the post – reform era.

UNIT – IV

Agriculture: Features of Indian Agriculture. Impact of Green Revolution on Indian Agriculture. Recent Trends in Agricultural Development -- Causes of Deceleration and Future Challenges

Note:

(A) Nine questions would be set in all.
(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(C) There would be two questions (16 marks each) from each of four units.
(D) Candidates would be required to attend five questions (on compulsory and selecting one from each unit)

Readings :

- Brahmananda, P.R. and Panchmukhi : The Development Process of Indian Economy, Himalaya Publishing House, New Delhi. Latest Edition
- Lucas ,E.B., and Papanek, G.F.: The Indian Economy- Recent Developments and Future Prospects, Oxford University Press, New Delhi. Latest Edition
- Deepashree : Indian Economy Performance and Policies Anno Books Pvt. Ltd.., New Delhi Latest Edition
- S.K.Mishra, V.K. Puri : Indian Economy : Its Development Exper5ience, Himalaya Publishingh House, New Delhi (Latest Edition)
- Economic Survey: Government of India. Latest Issue.
- Economic and Political Weekly: Various Issues
- A.N. Aggarwal : Indian Economy, V.K. Publications.
- World Bank, World Development Report (Latest), World Bank, Development Indicator 2010 2010.
- Mishra, S.K and V.K Puri Indian Economy- 151 Development Experience, Himalaya Publishing House, Mumbai, Latest Edition.

I.2 - MICRO ECONOMICS-I

Max. Marks: 100   **Written Exam: 80**
Time: 3 Hrs.   **Internal Assessment: 20**

UNIT-I
Introduction and basic concepts: Nature and scope of micro economics, Basic Economic Problem - Choice and Scarcity, Methodology of Economics -Inductive and Deductive methods, Positive vs. Normative Economics, Static and Dynamic Analysis, Partial vs. General Equilibrium Analysis.

UNIT –II
Demand analysis: Law of Demand, demand of a firm and Market; Elasticity of Demand - Price, Cross and Income Elasticity of Demand - Measurement of price Elasticity of Demand; Consumer Behaviour: Theories of Demand; Cardinal Utility approach; Indifference curve, Consumers equilibrium. Price, Income and Substitution effects (Hicks Allen & Slutsky method), Revealed Preference Theory.

UNIT-III
Theory of production and cost: Production Function - The Law of Variable Proportions; Returns to Scale-Isoquant; Least Cost Combination and Producer's Equilibrium, Traditional and Modern theories of Costs, Cost-output relation.

UNIT-IV
Price and output determination: Prefect competition: Features, Price determination in short and long run Equilibrium of Firm and Industry, Monopolistic competition – features, equilibrium of the firm with product differentiation and selling cost. Monopoly: Price and output determination, Price discrimination, Bilateral Monopoly

Note:

- **(A)** Nine questions would be set in all.
- **(B)** Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
- **(C)** There would be two questions (16 marks each) from each of four units.
- **(D)** Candidates would be required to attend five questions (on compulsory and selecting one from each unit)

Readings :

- Koutsoyiannis, A: (1979): Modern Microeconomics (2nd ed), Macmillan Press, London.
- Sen, A (1999): Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
- Varian, H(2000): Microeconomic Analysis, W.W. Norton, New York.
- Baumol, W.J: (1982): Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi.
- Bain, J (1958): Barriers to New Competition, Harvard University Press, Harvard
- Henderson, J.M. and Quandt (1980): Micro Economic Theory: A Mathematical Approach, Mc Graw Hill, New Delhi.
- Ahuja, H.L. (2006): Advanced Economic Theory, Sultan Chand and Co., New Delhi.

I .3 – MATHEMATICS FOR ECONOMIC ANALYSIS-I

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

UNIT-I
Basics: real number system, sets and set operations, relations and functions, inverse functions; solution of linear equations in two variables, solution of quadratic equations, logarithms and exponents; exogenous and endogenous variables.

UNIT-II
Fundamentals of Matrices; Determinants. Solution of a system of upto 3 equations by matrix inversion and Cramer's rule. Input-Output analysis – Static open model.

UNIT-III
Differentiation – idea of limit (but not its evaluation) meaning and economic interpretations of derivative. Rules of differentiation including logarithmic and exponential functions. Unconstrained optimization – single choice variable, global and local.

UNIT-IV
Calculus of multivariable functions, higher order derivatives, constrained optimization with upto 2 equality constraints

Note :   **Purpose of the course is to learn application of mathematical tools with understanding in economics. Derivations and proofs are to be avoided.**

Note 1:

- **(A)** Nine questions would be set in all.
- **(B)** Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
- **(C)** There would be two questions (16 marks each) from each of four units.
- **(D)** Candidates would be required to attend five questions (on compulsory and selecting one from each unit)

Readings :

- Chiang, Alpha C. "Fundamental Methods of Mathematical Economics" (Mc-Graw Hill)
- Dowling, Edward T "Mathematics for Economists" (Schaum's outline Series, Tata Mc-Graw Hill)

I.4 - BASIC CONCEPTS IN SOCIOLOGY

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

UNIT – I
Nature, Definition & Scope of Sociology: Its Relationship with History, Economics, Political Science, Anthropology and Psychology

UNIT – II
Basic Concepts: Its Nature and Characteristics, Social Structure, Status & Role, Society, Community, Association, Norms and Values

UNIT – III
Social Groups and Processes: Nature, Definition & Types: Primary Secondary & Reference Group, Integration, Cooperation and Conflict

UNIT – IV
Socialization and Social Institutions: Definition, Stages and Agencies of Socialization; Nature, Characteristics and Significance of Economic and Political Institutions

Note:

- **(A)** Nine questions would be set in all.
- **(B)** Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
- **(C)** There would be two questions (16 marks each) from each of four units.
- **(D)** Candidates would be required to attend five questions (on compulsory and selecting one from each unit)

Readings :

- Ahuja, Ram (2001): **Indian Social System,** New Delhi: Rawat Publication.
- Ahuja, Ram (2003): **Society in India,** New Delhi: Rawat Publication.
- Bottomore, T.B. (1972): **Sociology: A Guide to Problems and Literature,** Bombay: George Allen and Unwin (India).
- Fulcher & Scott (2003: **Sociology,** New York: Oxford University Press.
- Giddens, Anthony (2005): **Sociology,** Polity Press.
- Harlambos, M. (1998): **Sociology: Themes and Perspective,** New Delhi: Oxford University Press.
- Harlambos & Holborn (2000): **Sociology,** London: Harper-Collins.
- Inkeles, Alex (1987): **What is Sociology?** New Delhi: Prentice-Hall of India.
- Johnson, Harry M. (1995): **Sociology: A Systematic Introduction,** New Delhi: Allied Publishers.
- MacIver and Page (1974): **Society: An Introductory Analysis**, New Delhi: Macmillan & co.
- P. Gisbert (2010): **Fundamental of Sociology**, New Delhi: Orient Blackswan.

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Part-A Poetry
The following poems from *The Chronicles of Time* edited by Asha Kadyan (Oxford University Press)
- a) "Let Me Not to the Marriage of True Minds" by William Shakespeare
- b) "Death Be Not Proud" by John Donne
- c) "On His Blindness" by John Milton
- d) "Shadwell" by John Dryden
- e) "Know Then Thyself" by Alexander Pope
- f) "The Little Black Boy" by William Blake
- g) "Three Years She Grew in Sun and Shower" by William Wordsworth

Part-B Phonetics and Grammar

- i) **Phonetics**: Introduction to the Sound System of English: Phonetics Symbols,Organs of Speech,
  Transcription of Words (Oxford Advance Learners' Dictionary by Hornby to be followed).
- ii) **Grammar:** Parts of Speech, Types of Sentences, Common Errors, Technical Writing (application writing, business letter).

Instructions for the paper-setter and the students

Q. No. 1 Explanation with reference to the context. The students will be required to attempt two passages out of the given four from the book of poems. **8x2=16**

Q.No. 2 Two questions (with internal choice) will be asked based on theme, central idea, message and Narrative technique of the poem **8x2=16**

Q. No. 3 The question will be based on the Sound System of English language having internal choice. **8x2=16**

Q.No. 4 The question will be based on grammar. There will be internal choice with 16 sentences out of 24 to be attempted. **8x2=16**

Q. No. 5 The question will be based on technical writing. There will be internal choice. **8x2=16**

Readings :

- High School Grammar by Wren and Martin.
- Remedial English Grammar for Foreign Students by F.T. Wood.
- Suggesteds of Communication by D.G.Saxena

II .1 – INDIAN ECONOMY: PROBLEMS AND PROSPECTS –II

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

UNIT – I
Features and Characteristics on Indian Economy. Agriculture: Importance of Agriculture; Causes of backwardness and low productivity; Land Reforms: Need, Implementation and Critical Evaluation.

UNIT -II
Industry: Problems of Industrial Development; Public and Private Sector; Recent Industrial policy. Role and Problems of Small and large Scale Industries; Major large scale industries: Iron and Steel, Petroleum.

UNIT-III
Principles features of Indian Tax structure. Division of financial resources between centre and their states; Direction and composition of exports and imports and changes therein since 1991.

UNIT-IV
Features of Economic reforms and structural adjustment programme: Liberalization, Privatization and Globalization, appraisal of Economic reform programme.

Note:

(A) Nine questions would be set in all.
(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(C) There would be two questions (16 marks each) from each of four units.
(D) Candidates would be required to attend five questions (on compulsory and selecting one from each unit)

Readings :

- Ahluwalia, I.J. and Little, IMD: India's Economic Reforms and Development. (eds.) 1998 (Essays in Honour of Manmohan Singh), OUP, New Delhi.
- Krueger,A.O. (Ed) 2003 Economic Policy Reforms and the Indian Economy, Oxford University Press, New Delhi.
- Ramaswamy,V.S. and Namakumari, S 1999: Strategic Planning and Formulation of Corporate Strategy—Text and Cases , Macmillan, New Delhi.
- Nagaraj, R. 2006: Aspects of India's Economic Growth and Reforms, Academic Foundation, New Delhi.
- Rosen, George 1988: Industrial Change in India 1970 – 2000, Allied Publishers, New Delhi.
- Economic Survey: Government of India: Various Issues.
- Economic and Political Weekly: Various Issues

II. 2 MICRO ECONOMICS-II

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

UNIT-I

Price and output determination: Oligopoly-Price and output determination – Non Collusive: Cournot, Kink demand curve and price rigidity, Collusive: Price leadership, Cartels.

UNIT-II

Alternative Theories of the Firm: Critical evaluation of marginal analysis; Baumal's sales revenue maximization model(simple static with advertisement model); Full-cost pricing rule; Bain's,limit pricing theory.

UNIT-III

Theory of Factor Pricing: Market for Factor Inputs: (largely with reference to Labour): A Firms's and Market Demand for a labour (with one and several variable inputs) and its determinations. Supply of labour to a firm and the Market.

Equilibrium Wage Rate and Employment under:-
   (i)   Competitive Factor and Product Market
   (ii)   Monopsonistic buyer of Labour and perfect competition in Labour market
   (iii)   Imperfect competition in product market and Trade Union Monopoly
   (iv)   Bilateral Monopoly

UNIT-IV

Welfare Economics: Conditions of Pareto Optimality; Pareto efficiency versus Pareto optimality, Market failure and its causes; Markets with Imperfect competition; consumption and production externalities; public goods. Ways for correcting it.

Note:

   (A) Nine questions would be set in all.
   (B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
   (C) There would be two questions (16 marks each) from each of four units.
   (D) Candidates would be required to attend five questions (on compulsory and selecting one from each unit)

Readings :

   - Kreps, David M. (1990), A Course in Microeconomic Theory, Princeton University Press, Princeton.
   - Koutsoyiannis, A. (1979), Modern Microeconomics, (2nd Edition), Macmillan Press, London.
   - Layard, P.R.G. and A.W. Walters (1978), Microeconomic Theory, McGraw Hill, New York.
   - Sen, A. (1999), Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
   - Varian, H. (2000), Microeconomic Analysis, W.W. Norton, New York.

- Manikiw Gregory N (1968): PRINCIPLE OF Economics , 3rd Edition, Thomson; 3rd Indian Reprint (2007)
- Bownol, Williem J and Blinder; Micro Economics; Principles of Policy 9th Edition;   Thomson, First Indian Edition (2007)

II .3 – MATHEMATICS FOR ECONOMIC ANALYSIS – II

Max. Marks: 100   **Written Exam: 80**
Time: 3 Hrs.   **Internal Assessment: 20**

UNIT -I

Integration – meaning and economic interpretation. Indefinite and definite integration. Simple techniques including integration by substitution and integration by parts.

UNIT -II

Differential equation – basic concepts, solution of first order linear differential equation. Non-linear differential equation – exact and variable separable type only. Linear differential equation of second order with constant coefficient and term.

UNIT -III

Difference equation – basic concepts, solution of first and second order linear difference equation with constant term and coefficient.

UNIT -IV

Linear Programming – Relevance and basic concepts, Graphic, simplex and dual solution. Economic interpretation of dual

NOTE 1: Purpose of the course is to learn application of mathematical tools with understanding in Economics. Derivations and proofs are to be avoided.

Note:

   (A) Nine questions would be set in all.
   (B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
   (C) There would be two questions (16 marks each) from each of four units.
   (D) Candidates would be required to attend five questions (on compulsory and selecting one from each unit)

Readings :

   • Chiang, Alpha C. "Fundamental Methods of Mathematical Economics" (Mc-Graw Hill)
   • Dowling, Edward T "Mathematics for Economists" (Schaum's outline Series, Tata Mc-Graw Hill)

II.4 - SOCIETY, CULTURE AND SOCIAL CHANGE

Max. Marks: 100
Time: 3 Hrs.

Written Exam:80
Internal Assessment: 20

UNIT – I
Society: Tribul, Rural , Urban Industrial and Post Industrial : Its Nature, Definition & Types.

UNIT – II
Culture: Its Nature, Definition & Types: Material and Non-Material Culture; Socialization: Its Importance, Processes and Stages; Social Control: Its Types and Means.

UNIT – III
Process of Social Change: Industrialization, Secularization, Modernization & Globalization: Its Nature & Impact on Society.

UNIT – IV
Concepts & Basis of Social Stratification: Caste, Class, Power & Gender

Note:

- **(A)** Nine questions would be set in all.
- **(B)** Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
- **(C)** There would be two questions (16 marks each) from each of four units.
- **(D)** Candidates would be required to attend five questions (on compulsory and selecting one from each unit)

Readings :

- Ahuja, Ram (1997): **Society in India: Concept, Theories and Recent Trends,** Jaipur: Rawat Publication.
- Beteille, Andre (1992): **Backward Classes in Contemporary India**, New Delhi: OUP.
- Dube, S.C.(1991): **Indian Society**, New Delhi : National Book Trust.
- Ghurye, G.S. (1968): **Social Tension**, Bombay: Popular Prakashan.
- Karve, Iravati (1961): **Hindu Society: An Interpretation,** Pune: Daccan College.
- Mandelbaum, D.G. (1970): **Society in India**, Bombay: Popular Prakashan.
- Sharma K.L.(ed.) (1994): **Caste and Class,** Jaipur, Rawat Publication.
- Srinivas, M.N.(1980): **India's : Social Structure,** New Delhi : Hindustan Publication.
- Srinivas, M.N.(1985): **Social Change in Modern India,** New Delhi : Orient Longman.
- India: 2010 Govt. of India, New Delhi, Govt. of India publication division.

II.5 LITERATURE AND LANGUAGE-II

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs   **Internal Assessment: 20**

Part-A Short Stories

The following Stories from *The Pointed Vision: An Anthology of Short Stories* By Usha Bande and Krishan Gopal (Oxford University Press, New Delhi):

1. `T he Bet' by Anton Chekhov
2. `Gift of the Magi' by O Henry
3. `The Postmaster' by Rabindranath Tagore
4. `Three Questions' by Leo Tolstoy.
5. `The Dying Detective' by Arthur Conan Doyle.
6. `Under the Banyan Tree' by R.K. Narayan.

Part-B
(i) Grammar and Writing Skills
   a) Synonyms and Antonyms
   b) Prefix-Suffix
   c) Homophones and Homonyms
   d) One word substitution
(ii)
   a) Developing writing skills through theme based paragraphs
   b) Technical writing: E-mail writing, Reporting, Resume writing, Re-viewing T.V.
   Programmes

Instructions to the Paper Setter and the Students
Q.No1   Explanation with reference to the context. The student will be required to attempt two
            passages (with internal choice) from the book of Stories   **8x2=16**
Q.No.2   Two essay type questions (with internal choice) will be asked from the book of stories.
                                                                                          8x2=16
Q.No. 3 This question will be based on grammar. Students will be required to attempt 16
            sentences out of the given 24.   **16**
Q.No.4 & 5 Question No. 4 & 5 will be based on writing skills and technical writing.
                                                                                    16x2=32

Readings :

   • High School Grammar by Wren and Martin.
   • Remedial English Grammar for Foreign Students by F.T. Wood.
   • Suggesteds of Communication by D.G.Saxena

SYLLABI AND COURSES OF READING FOR M.A. (Hons.) 5 YEARS INTEGRATED COURSE (III – X SEMESTERS) AND B.A. (Hons.) III TO VI SEMESTER w.e.f. the session

Total of I & II Semester = 1000

Semester-III   (2016-17)

III .1	Economic History of India 1857-1947	80	20	100
III .2	Macro Economics-I	80	20	100
III .3	Development Economics – I	80	20	100
III .4	Welfare Economics-I	80	20	100
III .5	Statistics for Economic Analysis-I	80	20	100
			Total	500

Total of I, II & III Semester   = 1500

Semester-IV

IV .1	Computer Applications in Economic Analysis	80	20	100
IV .2	Macro Economics – II	80	20	100
IV .3	Development Economics- II	80	20	100
IV .4	Welfare Economics-II	80	20	100
IV .5	Statistics for Economic Analysis-II	80	20	100
			Total	500

Total of I, II, III & IV Semester= 2000

Semester- V (2017-18)

V .1	History of Economic Thought-I	80	20	100
V .2	Econometrics	80	20	100
V .3	Basics of Financial Markets	80	20	100
V .4	Economics of Agriculture	80	20	100
V .5	International Economics I	80	20	100
			Total	500

Total of I, II, III, IV &V Semester =2500

Semester-VI

VI.1	History of Economic Thought-II	80	20	100
VI .2	Human Resource Development	80	20	100
VI .3	Economics of Public Finance	80	20	100
VI .4	Economics of Industry	80	20	100
VI .5	International Economics II	80	20	100
			Total	500

Grand Total of I to VI Semester =3000

Max. Marks   Internal Assessment

Semester-VII (2018-19)

VII .1	Advanced Economic Theory–I	80	20	100
VII.2	Econometrics Applications-I	80	20	100
VII .3	Operations Research –I	80	20	100
VII .4	Public Economics	80	20	100

Semester-VIII

VIII .1	Advanced Economic Theory –II	80	20	100
VIII .2	Econometrics Applications -II	80	20	100
VIII .3	Operations Research – II	80	20	100
VIII .4	Environmental Economics	80	20	100

Semester-IX (2019-2020)

Note: **Out of total nine groups, any two group be opted by students.**

IX. 1(a) Agriculture and Rural Development	80	20	100
IX. 1 (b) Agriculture and Rural Development	80	20	100
IX. 2 (a) Banking and Insurance	80	20	100
IX. 2 (b) Banking and Insurance	80	20	100
IX. 3 (a) Industry and Trade	80	20	100
IX. 3 (b) Industry and Trade	80	20	100
IX. 4 (a) Money and Finance	80	20	100
IX. 4 (b) Money and Finance	80	20	100
IX 5(a) Economics of Gender and Development	80	20	100
IX 5(b) Economics of Gender and Development	80	20	100

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Semester-X

1. **No formal teaching would be offered in this semester.**
2. **Supervisor would be allotted to student in the beginning of 10ᵗʰ semester by the Departmental Committee.**
3. **The student will submit the dissertation by the end of 10ᵗʰ semester.**
4. **Dissertation maximum marks 400 (300 for evaluation and 100 for viva-voce). The evaluation of Dissertation and Viva-voce examination shall be conducted by board of examiner consisting of one of the external examiner and supervisor of the candidate. In case of there is a dispute, the Head of Department will act as moderator and her/his decision will be final.**

III. 1   ECONOMIC HISTORY OF INDIA: 1857 – 1947

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

UNIT – I
Why study economic history, the problems in interpreting India's past, the state of the Indian Economy on the eve of independence, Indian Economy in the mid-nineteenth century, growth of the empire and systems of land settlements in the Colonial India.

UNIT - II
Transformation of the traditional village – economy during the British rule, Commercialization of agriculture – its causes and consequences, Emergence of agricultural labour as a category, movement of agricultural wages and prices during the period – problems of rural indebtedness.

UNIT – III
The state of industrial development in mid-nineteenth century India, the de-industrialization thesis –its statement and validity, emergence of modern capitalist industrial enterprise in India – Textile (Jute and Cotton), Iron & Steel, Cement, Coal, Tea.

UNIT – IV
Foreign capital in Colonial India – its extent and impact; foreign-trade-growth andcomposition; 'guided under-development' of India under the British rule; evolution of provincial finance, the nature and problem of public debt; Economic drain from India -form, extent and consequences.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight
short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one
from each unit.

Suggested Readings:
- G. Kaushal   :   Economic History of India- 1757 to 1966.
                                 Kalyani Publishers, New Delhi.
- V B Singh (ed.)   :   Economic History of India 1857-1956. Allied
                                 Publications Private Limited, Bombay, 1965.

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I
Introduction: Nature and Scope of Macro Economics, Difference between Micro and Macro Economics and Importance of Macro Economics.
National Income: Concepts, Measurement and limitations of National Income Statistics, Circular flow of income in two, three and four sector economy.

Unit-II
Determination of Income and Employment: Classical theory of Income and Employment determination, Keynes objections to Classical Theory, Keynesian Theory of Income and Employment determination.

Unit-III
Consumption: Consumption Function, Technical Attributes of Consumption, Keynesian Psychological Law of Consumption and its Implications.
Income – Consumption Relationship: Absolute and Relative Income Hypothesis and Permanent Income Hypothesis.

Unit-IV
Investment Function: Types of Investment, Determination of level of Investment, Marginal Efficiency of Capital (MEC).
Theories of Investment: Classical and Keynesian Theory of Investment (Marginal Efficiency of Investment), Saving –Investment Equality.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Suggested Readings:

- Lipsey R.G. and K.A. Christal (1999) "Principles of Economics" 9ᵗʰ Ed., Oxford University Press.
- Ackley, G (1978), "Macroeconomics: Theory and Policy", Macmillan, New York.
- Branson, W. A. (1989), "Macroeconomics: Theory and Policy", 3ʳᵈ ed. Harper and Harper and Row, New York.
- Shapiro, E (1996), "Macroeconomics: Analysis" Galgotia Publication, New Delhi.
- Stiglitz J. E. and Carl E. Walsh (2002), Principles of Macroeconomics, W.W. Norton and Company, New York.
- Paul Samuelson and Nordhaus: (2005) "Economics" (18ᵗʰ Ed.) Tata Hill Publishing Company, New York.
- Mankiw N. Gregory: (2007) "Principles of Economics," Thomson, Indian Reprint.
- Lipsey R.G. and K.A. Chrystal (2007) "Economics", Oxford University Press, Oxford.

III. 3 - DEVELOPMENT ECONOMICS - I

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I

Basic Concepts of Economic Development: Economic Growth and Development, Concept of underdevelopment and basic characteristics; Determinants and Measurment indicators (PQLI and HDI) of economic development: sustainable economic development.

Unit-II

Therories of Economic Development: Adam Smith, Karl Marx and Schumpeter.

Unit-III

Development Approaches to Development: Vicious Circle of Poverty, Lewis dual economy model, lebenstein critical minimum effort theory, balanced vs. unbalanced growth theories.

Unit-IV

Economic Planning and Policy: Development planning: rationale, Strategies and objectives of planning; Role of state and Capital formation in economic development

Note:

(**A**) Nine questions would be set in all.

(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(**C**) There would be two questions (16 marks each) from each of four units.

(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Suggested Readings:
- Thirlwall, A. P.(2003),"Growth and Development", Seventh edition, Palgrave Macmillan, New York.
- Todaro, Michael P. and Stephen C Smith (2004) "Economic Development", Pearson Education, (Singapore) Pvt. Ltd., Indian Branch, Delhi.
- Ray, Debraj(2004), "Development Economics", Seventh impression, *Oxford University Press, New Delhi.*
- Meier, Gerald M. and James E. Rauch (2000), *"Leading Issues in Economic Development",* Oxford University Press, New York.
- Ghatak,
- Subrata (2003) Indian Reprint 2007: Introduction to Development Economics, Rout ledge, London & New York
- Rist, Gilbert (2002) The History of Development Academic Foundation, New Delhi
- Ghosh, Arun (1996) Paradigms of Economic Development, IIAS, Shimla.
- Fukuda-Parr Sakiko and Kumar Shiva, A K (2003) Readings in Human Development Oxford University Press
- Sen, A K (ed.) (1970): Growth Economics, Penguin Books
- Sen, A K (ed.) (1970): Growth Economics, Penguin

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I
Benthamite Approach to Aggregate Welfare; Optimum Resource Allocation and Welfare Maximization,

Unit-II
Assumption of Uniform Income – Utility Function of Individuals; Questions of Income Distribution; Issue of Interpersonal Comparisons of Utility.

Unit-III
Marshallian Welfare Economics; Consumer's Surplus; Measurement of Consumer's Surplus – Difficulties involved, Criticism.

Unit-IV
Principle of Compensating Variation; Hicks's Surpluses; Concept of Consumer's Surplus; Consumer's Surplus and Tax-Bounty Analysis

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Reading List :
   • Baumo, W.J. (ed.) (2001), Welfare Economics, Edward Elgar Publishing Ltd., U.K.
   • Broadway, R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, Oxford.
   • Pigou, A.C. (1962), The Economics of Welfare(4thEdition), Macmillan.
   • Hicks, J.R. (1956), A Revision of Demand Theory, Clarendon Press, Oxford.
   •Little, I.M.D. (1949), The Foundations of Welfare E
     conomics, Oxford Economic Papers,

III. 5 STATISTICS FOR ECONOMIC ANALYSIS-I

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit –I

Introduction : Basic concepts: Population, Sample, Parameter, Statistic, frequency distribution, Cumulative frequency distribution; Graphic and diagrammatic representation of data; Techniques of data collection .Census and Sampling method . Sampling and Non-Sampling Errors.Primary and secondary data.

Unit-II

Measures of Central Tendency: A.M., G.M., H.M., Median, Quartiles, Deciles, Percentiles, Mode

Unit-III

Measures of dispersion: range, inter-quartile range, quartile deviation, mean deviation, variance, standard deviation, Lorenz curve, skewness and Kurtosis, moments

Unit-IV

Index numbers : Concept, price relative, quantity relative and value relative, Laspeyer's, Paasche's and Fisher's index numbers; Family budget method. Problems in the construction and Limitations of index numbers; Tests of an ideal index number. Chain indices or Chain base Index Numbers. Base Shifting, and Deflating of Index Numbers .Cost of Living Index Numbers.

Note:
(A) Nine questions would be set in all.
(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(C) There would be two questions (16 marks each) from each of four units.
(D) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Reading List:

- Gupta S.C. "Fundamentals of Statistics" S. Chand & Sons New Delhi (1993)
- Spiegel, Murry R "Theory and problems of Statistics" (Schaum's outline series, McGraw Hill, 1992)
- Karmal P.H. and Polasek M. "Applied Statistics for Economists (4th edition), Pitman, Australia.

IV .1 - COMPUTER APPLICATION IN ECONOMIC ANALYSIS

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I

Opening, saving and printing documents files, Editing and formatting of documents, inserting page Numbers and footnotes, Table: Auto Format and Properties, Inserting graphs and diagrams, Introduction to MS Power Point, Preparation of presentations in Power point using design template and Text structure layouts.

Unit-II

Introduction to Microsoft Excel: Creation of worksheets; Data entry, formatting, sorting and validation; Importing and exporting of data files, Uses of mathematical, financial and statistical function and what if analysis, Data Analysis: Correlation, Simple and Multiple Regression, One way ANOVA, Creation of diagrams and graphs.

Units III

Networking of Computer: Intranet and Internet, LAN and WAN, Internet Explorer, Search engines, Emails, Computer, document and Internet Security, Antivirus-scanning and updates

Unit-IV

Introduction to SPSS: Creation of data files, assigning names and labels to variables, sort cases, import/export of files, Computing variable, Data Analysis: Descriptive statistics, Comparing means, Simple Correlation analysis, ANOVA, Simple Regression Analysis, Preparation of graphs and diagrams.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight
short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one
from each unit.

Reading List:

- Bhattacharjee Dibyojyoti (2010), Practical Statistics: Using Microsoft Excel, Asian Books, Asian Books Private Limited, New Deli
- George, Darren Mallery Paul (2011) SPSS for Windows step by step: A simple guide and reference 15.0, Pearson Education, New Delhi
- ITL Eduction Solution Limited (2012), Introduction to information Technology, Pearson, New Delhi (ISBN 978-81-317-6029-1

IV .2 - MACRO ECONOMICS – II

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I
Keynesian Multiplier: Concepts, Relation between Multiplier, MPC and MPS, Comparative Static and Dynamic Process. Working of Multiplier in UDC's. Acceleration Principle and Concept of Super Multiplier.

Unit-II
Determination of General Price level: Classical and Keynesian Theory of Money and Prices. **Inflation**: Effects of Inflation, Theories of Inflation: Cost Push and Demand Pull Inflation, Phillips Curve Analysis of Inflation and unemployment.

Unit-III
Rate of Interest: Keynesian and IS-LM Theories of Interest rate.
Macro Economic Policies: Monetary and Fiscal Policies.

Unit-IV
Trade Cycles: Meanings, Types, Phases and Theories of Trade Cycles (Hicks and Samuelson).
Economic Growth: meaning and theories. Harrod-Domar Theory and Neo-classical Theory.

Note:
(A) Nine questions would be set in all.
(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(C) There would be two questions (16 marks each) from each of four units.
(D) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.
.

Reading List:
- Lipsey R.G. and K.A. Christal (1999) "Principles of Economics" 9th Ed., Oxford University Press.
- Ackley, G (1978), "Macroeconomics: Theory and Policy", Macmillan, New York.
- Branson, W. A. (1989), "Macroeconomics: Theory and Policy", 3rd ed. Harper and Harper and Row, New York.
- Shapiro, E (1996), "Macroeconomics: Analysis" Galgotia Publication, New Delhi.
- Stiglitz J. E. and Carl E. Walsh (2002), Principles of Macroeconomics, W.W. Norton and Company, New York.
- Paul Samuelson and Nordhaus: (2005) "Economics" (18th Ed.) Tata Hill Publishing Company, New York.
- Mankiw N. Gregory: (2007) "Principles of Economics," Thomson, Indian Reprint.
- Lipsey R.G. and K.A. Chrystal (2007) "Economics", Oxford University Press, Oxford.

IV. 3 - DEVELOPMENT ECONOMICS - II

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I
Dualistic Development: Social and Technological dualism; Nurkse disguised unemployment as saving potential, Fei Ranis Theory of Dual Economy. Haris Todaro Modal of Migration.

Unit-II
Models of Growth: Classical model: Mill Theory, the Marxian model; Keynesian model;

Unit-III
Inequality and Development: Meaning, Measurement Lorenz Curve, Kuznets Inverted U Shape curve, Inequality and Development:-Inter connection Population Growth and Economic Development.
Unit-IV
Capital formation: Meaning and sources; capital output ratio; Human capital: concept and utilization. Foreign aid and Economic Development, Transfer of technology.
Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Suggested Readings:
- Thirlwall, A. P.(2003),"Growth and Development", Seventh edition, Palgrave Macmillan, New York.
- Higgins, B. : Economic Development: Theory and Policies. Central Book Depot, Allahabad, 1963.
- Eicher, Carl and Lawrence Witt (1970): " Agriculture in Economic Development," Vora and Co. Publisher Pvt. Ltd. Bombay.
- Kuznets, S (1966) Modern Economic growth, Rate Structure and Spread, Vakils, Feffer and Simons Private Ltd, Bombay.
- Meier, Gerald M. and James E. Rauch (2000), "Leading Issues in Economic Dvelopment," Oxford University Press, New York.
- Ranis, Gustav and John C. H. Fei (1961): A theory of Economic Development, Oxford University Press, New York.
- Ray, Debraj(2004), "Development Economics", Seventh impression, *Oxford University Press, New Delhi.*
- Schultz, Theodre W. (1981): Investing in People, Hindustan Publishing Corporation (India), Delhi.

Welfare Economics- II

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I

Infinite number of non-comparable optima vs. unique social optimum; Compensation criteria –

Contributions of Barone, Kaldor and Hicks.

Unit-II

The Scitovsky double criterion; Concept of Community indifference map, Samuelson's utility

possibility curve

Unit-III

Value judgements and welfare economics Bergson's social welfare function, Arrow's possibility
theorem.

Unit-IV

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;

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight
short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one
from each unit.
Reading List:

- Baumo, W.J. (ed.) (2001), Welfare Economics, Edward Elgar Publishing Ltd., U.K.
- Broadway, R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, Oxford.
- Pigou, A.C. (1962), The Economics of Welfare(4thEdition), Macmillan.
- Hicks, J.R. (1956), A Revision of Demand Theory, Clarendon Press, Oxford.
- Little, I.M.D. (1949), The Foundations of Welfare Economics, Oxford Economic Papers,
  Vol.1.

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit –I

Correlation and Regression: Simple Correlation: Type of correlation ,Karl Pearson's Coefficient of correlation and Spearman's Rank correlation , Concurrent Deviation method . Coefficient of determination. Regression analysis –Concept ,fitting of regression lines (method of least squares).Properties of regression coefficients.

Unit-II

Time Series Analysis - Concept and components, Determination of trend (Linear, Quadratic and Exponential) and seasonal Variations.

Unit-III

Probability: Random experiment, Random variable, Sample space and events. Permutation and combinations .Theorems of Probability (Addition and Multiplication).Conditional probability.

Unit-IV

Theoretical Distribution-Binomial, Poisson and Normal, with their Properties.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Suggested Reading

- Gupta S.C. "Fundamentals of Statistics" S. Chand & Sons New Delhi (1993)
- Spiegel, Murry R "Theory and problems of Statistics" (Schaum's outline series, McGraw Hill) (1992)
- Karmal P.H. and Polasek M. "Applied Statistics for Economists (4th edition), Pitman, Australia.

V .1 - HISTORY OF ECONOMIC THOUGHT – I

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I

Nature and Importance of Economic Thought.
Mercantilism: Views on Trade, Money and Prices.

Unit-II

Physiocracy: Natural Order; Net product and Circulation of Wealth.
Classical Political Economy. Adam Smith: Theories of Value and Distribution.

Unit-III

Ricardian Economics: Value Analysis, Theories of Trade and Distribution.

Unit-IV

J S Mill: Theory of Value, Views On Production and Distribution. Classical Stationary State with special reference to Mill's views.
Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Suggested Readings

- Dasgupta, A K (1986): Epochs of Economic Theory, Oxford University Press, New Delhi
- Collander, D C (Ed.)   :   Neo-Classical Economists
- Mandel, E (1971)   :   Marxist Economic Theory, Upra & Co
- Schumpter, J A (1954):   History of Economic Thought, Oxford University Press
- Samuel Hollander (1987)   : Classical Economics
- Tom Bottomore (1980)   :Dictionary of Marxist Thought, Basic Blackwell Publishers, England
- O'Brien, D P (1975)   :   Classical Economists, Oxford, Clarendon Press.
- Dobb, Maurice (1973):   Theories of Value and Distribution since Adam Smith.
- Sweezy, Paul M (1945):   The Theory of Capitalist Development
- Blaug, M (1961):   Economic Theory in Retrospect.
- Eric Roll(1993):   A History of Economic Thought Rupa & Co. Faber & Faber Ltd., London
- Gide, Charles and Rist, Charles (1973): A History of Economic Doctrines, Oxford University Press, Calcutta
- Hunt, E.K. & Mark   : History of Economy Thought : A Critical Perspective Third Edition, PHI Learning Private Ltd., New Delhi.
- Smith Adem   :   Wealth of Nellani: An enquiry into the Nature and Causes of Wealth.

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I

Introduction: Definition, Scope, and Methodology of econometrics; Nature and sources of data for econometric analysis; Specification of an econometric model.
Simple Regression Models: Estimators (OLS) and their properties; Statistical inference; Tests of significance and tests of restrictions.

Unit-II

Econometric Problems: Nature, consequences, detection and remedial measures of the problems of multicollinearity, hetroscedasticity and autocorrelation.

Unit-III

Test Procedures and Model Selection: Tests of specification and mis-specification, measurement errors, encompassing models, and criteria for model selection.

Unit-IV

Dynamic Models: Lags in econometrics, Distributed and autoregressive lags, Koyck model,
Simultaneous Equation Models: Introduction, Identification problem, Simultaneous equation bias and ILS and 2SLS methods of estimation.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Suggested Readings:
- Gujarati, Damodar, N: Basic Econometrics, McGraw Hill Edition 2012.
- Intriligater Michael D: Econometric Models, Techniques ,and Application , New Jersy, Prentice- Hall
- Johnston, J: Economatric Methods, 3rd. Ed. McGraw Hill, New York 1984.
- Koutsoyiannis,A: Theory of Econometrics, Harper and Row New York, 1973.
- Krishna K.L: Econometric Applications in India , New Delhi, Oxford University Press
- Klein, Lawrence R: An Introduction to Econometrics, Prentice, Engle Wood Diffs N.J.1962
- Madala G.S : Introduction to Econometrics, John wiley and sons, 3rd Ed. New York 2001.
- Madhani G.M.K : Introduction to Econometrics, Oxford and IBH Publishing Co. Pvt. Ltd. 1994

V .3 - BASICS OF FINANCIAL MARKETS

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I

Financial Market and Functions-: Meaning, Classification of Financial Market, The Role of Financial Markets in the Economy, Financial Instruments: Nature Types and Properties of Financial instrument.

Unit-II

Theories of interest rate determination : Classical and Keynesian ,Term structure of Interest rates: theories of interest rates structure, Expectational theory, Segmentation theory.

Unit-III

Call money market, Treasury bill market; Commercial bill market; Market for gilt-edged Securities, Markets for derivatives, futures and options.

Unit-IV

Regulation of Financial Markets: Role and functions of Securities and Exchange Board of India,   (SEBI),Insurance Regulatory and Development Authority (IRDA) and Reserve Bank of India (RBI).

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Suggested Readings :

- Bhole, L M (2003) :   Financial Institutions and Markets, Tata McGraw
                            Hill Company Ltd., New Delhi (4th Ed)

- Gurusamy. S.(2009):   Financial Markets and Institutions, Tata McGraw
                            Hill Company Ltd., New Delhi (4th Ed)

- Punithavathy Pandian :   Financial Services and Market Vikas, Publishing House Pvt.
            Ltd.

V . 4 - ECONOMICS OF AGRICULTURE

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I
Introduction: Definition, scope and nature of agricultural economics; Need for a separate study of agricultural economics. Agricultural Linkages with other sectors, Role of agriculture in economic development and Declining importance of agriculture in Economic development.

Unit-II
Production Function Analysis: Facto-Product, Factor-Factor and Product-Product relationship. Types of farm organizations and organizations and their comparative production efficiency.

Unit-III
Transformation of Agriculture: Schultz thesis of transformation of traditional agriculture and Green Revolution in Indian agriculture.

Agricultural Markets: Aim, Types and Functions of agricultural markets, Criteria for judging efficiency of agricultural market systems.

Unit-IV
Agricultural Credit: Importance of credit, Need for Government intervention, agricultural credit system in India.

Agricultural Price Policy: Need, Objectives, and instruments of agricultural price policy; Agricultural price policy in India.

Note:
(A) Nine questions would be set in all.
(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(C) There would be two questions (16 marks each) from each of four units.
(D) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Suggested Reading
- Soni R.N. (2003)   :   Leading Issues in Agricultural Economics , Shoban Lal Nagin Chand & co., Jalandhar
- Mellor, J.W. (1968)   :   The Economics of Agriculture Development council University Press , NEW YORK
- Schultz, T.W.(1964   :   Transforming Traditional Agriculture, Lyall Book Depot, 1970
- Sadhu, A.N and   :   Fundamentals of Agricultural Economics, Himalaya
- Amarjit singh (1997)   Publishing   Himalaya Publishing House, New Delhi Dorner Peter (1972)   :   Land Reforms & Agricultural Development .
- Kahlon, A.S. (1982)   :   Agriculture Price Policy in India.
- Mamoria, C.B. (1985) :   Agriculture Problems in India.
- Heady, E O (1964)   :   Economics of Agricultural Production and Resource Use.Prentice-Hall of India Pvt. Ltd. New Delhi   .
- Matacalf, D (1969)   :   The Economics of Agriculture, Penguin

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit I

Trade Theories and Commercial Policy: Theories of absolute advantage, comparative advantage and opportunity cost: Hecksher-Ohlin theory of trade-its main features, assumptions and limitations.

Unit II

Balance of Trade and Balance of Payments: Concepts and components of balance of trade and balance of payments; Equilibrium and disequilibrium in balance of payments: Various measures to correct deficit in the balance of payment.

Unit III

Exchange Rate: Meaning, concept of equilibrium exchange rate and determination: Fixed versus flexible exchange rates: Managed floating exchange rate.

Unit IV

International Monetary System and International Institutions: Brettonwood systems and its breakdown, International liquidity Special drawing rights, I.M.F.

Note:
(A) Nine questions would be set in all.
(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(C) There would be two questions (16 marks each) from each of four units.
(D) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Suggested Readings:
- International Economics by Rana and Verma
- Indian Economy by Mishra and Puri
- International Economics by Soderston, Bo (1991)
- International Economics by Salvatore, D. (1997)
- International Economics by Kucchal, S.C.
- International Economics, by Kindleberger, C.P.
- International Economics: Theory & Policy by Paul.R.Krugman & Maurice Obstfeld (2009)

VI .1 - HISTORY OF ECONOMIC THOUGHT – II

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I
Marxian Economics: Historical Materialism, Theory of Value, Theory of Capital Accumulation, Theories of Crisis.

Unit-II
Jevon's Theory of Value, Bohm-Bawerk's Theory of Capital.

Unit-III
Walras's Theory of General Equilibrium. A General Overview of Marshall's Contribution.

Unit-IV
Features of Neo-classical economics. J.M Keynes and his contribution; Welfare Economics: Arrow and Social choice Theory; Rational Expectation Modals and the New Classical Macro Economics

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Suggested Readings

- O'Brien, D P (1975)   :   Classical Economists, Oxford, Clarendon Press.
- Dobb, Maurice (1973):   Theories of Value and Distribution since Adam Smith.
- Sweezy, Paul M (1945):   The Theory of Capitalist Development
- Blaug, M (1961):   Economic Theory in Retrospect.
- Eric Roll(1993):   A History of Economic Thought Rupa & Co.
- Gide, Charles and Rist, Charles (1973): A History of Economic Doctrines, Oxford
                                  University Press, Calcutta
- Dasgupta, A K (1986): Epochs of Economic Theory, Oxford University Press, New
                     Delhi
- Collander, D C (Ed.)   :   Neo-Classical Economists
- Mandel, E (1971)   :   Marxist Economic Theory, Upra & Co
- Schumpter, J A (1954):   History of Economic Thought, Oxford University Press
- Samuel Hollander (1987)   : Classical Economics
- Tom Bottomore (1980)   :Dictionary of Marxist Thought, Basic Blackwell
                                  Publishers, England

VI .2 - HUMAN RESOURCE DEVELOPMENT

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I
Human Resource Development (HRD): Concept, nature, scope, significance, objectives, functions; Traditional and modern approaches; Human Resource Development and Manpower Planning .

Unit-II
Human Capital: Concept of human capital and its determinants, problems of measurement; An appraisal of underlying theories of Human capital formation particularly in the context of developing Economies; Role of public and private investment in human capital formation; Economics of education (formal, informal, on-the-job training and re-training, An introduction to economics of health and nutrition.

Unit-III
Functioning of Market for Human Resources: Internal allocation and brain drain, asymmetric information and functioning of the human resource market; Migration (Theories, and the emerging challenges); Managing Human Resources (wages, incentives- productivity relationship, economics of discrimination).

Unit-IV

Human Resource Management Practices: Human Resource Management in developed countries, and India (in Public Enterprises and small undertakings); Emerging human resource management concepts and systems in the new millennium; Human Resource Information System.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Reading List:
- Bellante, Don and Mark Jackson: *Labor Economics: Choice in Labor Markets*, McGraw-Hill Book Company, New York.
- Campbell, R McConnel and Stanley L.: *Contemporary Labor Economics*, McGraw- Brue, Hill Book Company, New York.
- Kempton, John: *Human Resource Management and Development: Current Issues and Themes*, MacMillan, London.
- Richard B Perterson and Lam Tracy: *Systematic Management of Human Resources*, Addison Wesley Publishing Company, London.
- Schultz, Theodore W. (1981): *Investing in People: The Economics of Population Quality*, Hindustan Publishing Corporation(India), Delhi.
- Stoney, John J.(ed.)

VI .3 – ECONOMICS OF PUBLIC FINANCE

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I
Introduction to Public Finance: Nature, Scope and Importance. Theory of Maximum Social advantage. Private goods, Public goods and Merit goods. Overview of different role of government: allocation,   stabilization   and   distribution.   Optimal   provision   of public goods.

Unit-II
Types of Government Budgets: Revenue account, Capital Account and different concepts of budgetary deficits in the Indian context. Economic and functional classification of Central Govt. Budgets.

Unit-III
Sources of Public Revenue: Tax and Non-tax sources, ad valorem and specific taxes, progressive and proportional taxes, direct and indirect taxes.
Approaches to tax equity: Benefit principle; Ability to pay principle. Theory of Incidence of Indirect taxes. Taxable capacity: meaning and determinants.

Unit-IV
Public expenditure: Rationale for the growth of public expenditure: Wagner's law of increasing state activities; peacock-Wiseman hypothesis. Canons of public expenditure.
Changing Trends and Pattern of direct and indirect taxes in India.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Suggested Readings :

- Musgrave, R & Musgrave, P B: Publice Finance in Theory and Practice. McGraw –   Hill International eds.
- Houghton, R W (ed.) (1970): Public Finance
- Atkinson, A B and Stigltz, J E: Lectures on Public Finance
- Peacock, and Straw, G K (1970): The Economic Theory of Fiscal Policy
- Chelliah, R C (1996): Sustainable Growth, Essays on Financial And Fiscal Sector Reforms, Oxford University Press.
- Raghbendra Jha (1999): Modern Public Economics, Rotledge
- Govt. of India, Ministry of Finance: 9th, 10th and 11th Finance Commission Reports
- Govt. of India, Ministry of Finance: Sarkaria Commission Report on Centre State   Financial Relations.

VI .4 - ECONOMICS OF INDUSTRY

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I

Definition: Nature and Scope of industrial Economics. History and development of Industrial Economics. Basic Concepts : Firm industry, Market, Market structure, Market power, passive and active behavior of the firm.

Unit-II

Conceptual framework for the study of Industrial Economics. Organizational form and alternative motives of the firm. Industrial efficiency and technical efficiency. Optimum size of the firm. Growth of the Firm: Acquisition, diversification, merger constraints on Growth : demand, managerial and financial.

Unit-III

Market Structure: Seller's concentration; product differentiation; entry conditions and economics of scale. Advertising strategy: The determinates of Profitability.

Unit-IV

Theories of Industrial Location: Factors affecting location; contributions of weber and Sargent Florance. Location policy in India since Independence, Industrial concentration and dispersal in India.

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Suggested Readings:
- Martin, Stephen(1989): Industrial Economics : Economic Analysis and Public Policy. Macmillan Publishing Co., New York.
- Clarke, R (1985)   : Industrial Economics, Blackwell Publishers, Oxford
- Shepherd, William G (1990) : The Economics of Industrial Organization Prentice Hall, New Jersey (3rd Ed.)
- Scherer, F M & Ross, David (1990)   : Industrial Market Structure and Economic Performance, (3rd Ed.) Houghton Mifflin Company, Boston
- Koutsonyiannis (1979)   : Modern Micro-economics. Macmillan, London
- Bains, J S (1959): Industrial Organization. University of California
- Waldman, Don E & Jensen, Elizabeth J (2005): Industrial Organization: Theory and Practice (2nd Edition) Pearson Education, Inc. Hay and Morris (1998): Industrial Economics (2nd ed.) Oxford University Press, London

VI .5 – INTERNATIONAL ECONOMICS-II

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit –I
Rationale of Protection: Tariff and non-tariff barriers to trade (Quota, voluntary export restraints, export subsidies, dumping and international cartel).

Unit –II
Economic Co-operation: Forms of Economic Co-operation, Static and Dynamic Effects of Custom Union (Viner, Lipsey) and Free trade Area.

Unit-III
World Trade Organisation: WTO and India, Recent change in the direction and composition of India's foreign trade.

Unit –IV
Multi-National Corporation: Working and regulations of MNC's in India, Export Promotion and Import Substitution, and Recent import and export policies.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Reading List:
- International Economics by Rana and Verma (2012)
- Indian Economy by Mishra and Puri
- International Economics by Soderston, Bo
- International Economics by Salvatore, D. (1997)
- International Economics by Kucchal, S.C.
- International Economics, by Kindleberger, C.P.
- International Economics : Theory & Policy by Paul R. Krugmen & Maurice Obstfeld (2009) Darling Kindersley India Pvt. Ltd.

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I

Choice Under Uncertainty: Concept of Contingent Commodities; Measures of risk aversion, risk preference, risk neutrality and the shape of indifference curves between contingent commodities. Consumer equilibrium under different risk preferences. Expected utility under uncertain outcomes: Von Neumann Morgenstern utility and consumer choice.

Unit-II

Indirect utility function, Roy's identity, Expenditure function. Hotteling's & shepherd's Lemmas. Modern derivation of the slutsky equation. Composite commodity theorem. Integrability Problem.

Unit-III

Empirical Estimation of Demands: Interview and Experimental Approaches to Demand determination. The statistical Approach to Demand Estimation. The form of Demand Relationship. Duality in production and its role in empirical estimation of demand functions.

Unit-IV

Markets with asymmetric information: issues of hidden characteristics/actions and adverse selection/moral hazards in insurance and labour markets.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.
Suggested Readings:

- Comerer, Colin, F, George : Behavioural Economics
- Loewenstien and Mathew Robin (ed.) (2006): (New Age International Publishing Princeton.
- Michael Szenberg and Lall Ram Rattan (ed.) (2004): New Frontiers in Economics Cambridge: Cambridge University Press.
- Henderson, J M and Quandt, R B (1988): Micro Economic theory: A Mathematical Approach (3rd Ed.), McGrawl Hills, New Delhi.
- Silberberg, E (1978): The Structure of Economics- A Mathematical Analysis, McGraw , New York.
- Varian, H R (1992) : Microeconomics Analysis(3rd Ed.) Norton & Company, New York.
- Mas- Colell, Adrew, W M D and Green, J R (1995): Microeconomic Theory New York , Oxford University press.
- Pyndick, R S and Rubinfield, D L (2001): Microeconomics Patparganj: Pearson Education.

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I

The matrix Approach to linear Regression model. The General linear Regression model: Assumptions in matrix notation; OLS estimation; BLUE Properties of OLS estimators; Derivation of unbiased estimator of σu^2; Guass Markov Theorem; Coefficient of determination R^2; adjusted coefficient of determination $\hat{R}^2$;Hypothesis testing about individual regression coefficients; Testing the overall significance of Regression.

Unit-II

Relaxing the assumptions of classical linear Regression model. Multicollinearity: The nature of problem of multicollinearity; Estimation in presence of perfect multicollinearity; Consequences of multicollinearity; Detection of multicollinearity; remedial measures. Hetroscedasticity: The nature of Hetroscedasticity; OLS estimation in the presence of Hetroscedasticity; Consequences of using OLS in the presence of Hetroscedasticity; Detection of Hetroscedasticity; Remedial measures. Auto-correlation: The nature of problem of Auto-correlation; OLS estimation in the presence of Auto-correlation; Consequences of using OLS in the presence of Auto correlation; Detecting Auto-correlation Remedial measures.

Unit-III

Applications to Demand Analysis: Single Demand equations: Different functional forms used for the estimation of single demand equation; System of Demand equations: Linear Expenditure system; Problems in the Estimation of Demand Analysis; Dynamic Demand Analysis.

Unit-IV

Functional Forms of Regression Model: How to measure elasticity: The Log- Linear Model; comparing Linear and Log- Linear Regression Models; How to measure Growth Rate; The Semilog Model; The Lin- Log Model: When the explanatory variable is Logarithmic; Estimation of Cobb-Douglas Production function and consumption function.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight
short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one
from each unit.

Reading List:

- Gujarati, Damodar, N: Basic Econometrics, McGraw Hill Edition 2012.
- Intriligater Michael D: Econometric Models, Techniques ,and Application , New Jersy, Prentice- Hall

- Johnston, J: Economatric Methods, 3rd. Ed. McGraw Hill, New York 1984.
- Koutsoyiannis,A: Theory of Econometrics, Harper and Row New York, 1973.
- Krishna K.L: Econometric Applications in India , New Delhi, Oxford University Press
- Klein, Lawrence R: An Introduction to Econometrics, Prentice, Engle Wood Diffs N.J.1962
- Madala G.S : Introduction to Econometrics, John wiley and sons, 3rd Ed. New York 2001.
- Madhani G.M.K : Introduction to Econometrics, Oxford and IBH Publishing Co. Pvt. Ltd. 1994

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

UNIT - I

Introduction to Operations Research, Nature and significance of Operations Research. Features of Operations Research approach Interdisciplinary Approach, Methodological Approach, Wholistic Approach, Objective Approach, Methodology of Operations Research. Advantages of Operations Research Study; Basic Operations Research Models; Computer software for Operations Research.

UNIT - II

Linear programming- Introduction, structure of Linear Programming Model; Assumption of Linear Programming ; Advantages and Limitations of linear programming; Linear Programming Model-Formulation ;Graphical Method, Simplex Method, duality, Economic Interpretation of duality

UNIT – III

Transportation Problem; Mathematical Model of Transportation Problem, Solution Algorithm to a Transportation Problem. Methods for finding Initial Solution: NWCM, LCM, VAM, MODI Algorithm.

UNIT – IV

Project Management, Basic Differences between PERT and CPM. PERT/CPM Network components and precedence relationships, critical path Analysis; Project Scheduling with uncertain Activity Times.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Reading List:

- Gupta, Prem Kumar and Dira D.S (2007): Operations Research (6th ed.), New Delhi: S.Chand & Company Pvt. limited.
- Kapoor, V.K. (2001): Operations Research Techniques for management New Delhi: Sultan Chand & Sons.

- Sharma, J.K. (2013): Operations Research; Theory and Application (5th Ed.) Mac Millan Publishers India.
- Taha, H.A. (2012): Operations Research- An Introduction (7th Ed.) New Delhi: Prentice Hall of India.

Max. Marks: 100	**Written Exam:80**
Time: 3 Hrs.	**Internal Assessment: 20**

Unit-I

Fiscal Federalism: Principles of multi-Unit finance; Fiscal federalism in India; Vertical and horizontal imbalance; Assignment of functions and sources of revenue and Constitutional provisions; Finance Commission and Planning Commission.

Unit-II

Indian Public Finances: Transfer of Resources from Union to States – criteria for transfer of resources; devolution of resources and grants; problems of states' resources and indebtedness; States and local bodies; Transfer of Resource from States to Local Bodies.

Unit-III

Budget: Zero based Budgeting, Performance Budgeting; Budget making process in India; various concepts of budgetary deficits.

Unit-IV

Public Debt**:** Concepts, types and sources of public debt; Burden of public debt; principles of public debt management; Public Debt Management in India.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Reading List:

- Atkinson, A. B. and J. E. Siglitz (1980), Lectures on Public Economics, Tata McGraw Hill, New York.
- Govt. of India, Ministry of Finance: Economics Survey (of various years)
- Musgrave R.A. and Musgrave P.B., *Public Economics in Theory and Practice*, McGraw Hill.
- Mandal Sudipto (ed) *Public Finance: Policy Issue of India.*
- M. Govind Rao and Tapan Sen (1998), *Financial Federalism in India*
- M.G. Rao and Tapas Sen (1996), *Financial Federalism in India*, Macmillan India,
- M. Govind Rao *Changing contours in fiscal federalism in India*
- Stieglitz, J.E., *Economics of Public Sector*, J.W. Norton & Company.
- Srivastava D.K. (ed.) *Fiscal Federalism in India*
- Srivastava, D. K. (Ed.) (2000*) ,Fiscal Federalism in India*, Har-Anand Publications Ltd., New Delhi.Reports of various Finance Commissions

VIII.1 Advanced Economic Theory II

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I

Monetarist-Keynesian debate on Macro Theory and Policy. Monetarist and Keynesian views on Output and Inflation. The Phillips Curve- Short run and Long run.

Unit-II

New Classical Economics and New Keynesian Direction: The New Classical attack, The Keynesian Countercritique, New Keynesian Direction. Rational Expectations and the New Classical Macro Economics: The Theory of Rational Expectations; The theory of continuous Market Clearing, The New Classical Economics and The Business Cycles6, Supply Side Economics: Taxes , Incentives and Production, Supply Side Economics and Government.

Unit-III

The New Keynesian Theories of Sticky Wages and Unemployment; Implicit Wage Contracts, Efficiency Wage Models, Insider- Outsider Models, Menu Costs.

Unit-IV

Macroeconomic Policy in an open economy – The Mundell Fleming Model. The Assignment Problem in International Macro Economics- Mundell Model, Swan Model.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Reading List:

- Branson W (1989) : Macro economic Theory and Policy 3rd Edition, Harper Collins
- Dornusch, R (1980) : Open Economy Macroeconomics Basic Books
- Dornbusch, Fisher and Strartz (2002) : Macroeconomics, Ninth Edition, tata McGraw Hills, New Delhi
- Makin, A J : International Macroeconomics, Princeton Hall.
- N Mankiw, and D Romer (1991) (ed.) New Keynesian Economics, MIT, 2 Volumes.
- Sheffrin, S(1999): Rational Expectations, Cambridge University Press.
- Pentecost Eric (2000) : Macroeconomics- An Open Economy Approach Macmillan Press Ltd.
- Raghbendra, Jha (2008) : Contemporary Macroeconomics: Theory and Policy. New Age International Publishers.
- Abel Andrew B, Bernanke Ben S (Fifth Edition) (2007): Macroeconomics Pearson Education Inc., New Delhi.

- Heijdra Ben J/ Ploeg Frederick Van der (2008): The Foundations of Modern Macroeconomics Oxford University Press.
- D' Souza Errol (2008): Macroeconomics Pearson Education Inc., New Delhi.
- Froyen, R(2002) : Macro Economics, 7th Edition, Pearson Education Inc., New Delhi.
- Snowden Brian and Vane Howard R (2005): Modern Macroeconomics: Its Origins, Development and current state, Edward Elgar, UK.
- Wendy Carlin/ Soskice David (2007): Macroeconomics: Imperfections, Institutions and Policies Oxford University Press.

VIII.2 Econometrics Apllications-1I

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I

Dynamic Econometric Models: Auto- Regressive and Distributed Lag Models: The Role of Log in Economics; The Reasons for Lags; Koyck Approach to estimation of Distributed Log Models, Rationalization of Koyck Model: The Adaptive Expectation model; Partial adjustment Model, Causality in Economics: The Granger Causality Test.

Unit-II

Dummy Variables Regression Models. The Nature of Dummy Variables, ANOVA Models, ANOVA Models with two qualitative variables, ANCOVA Models, uses of Dummy variables, The Dummy variable alternative to the chow test.

Unit-III

Simultaneous Equation Models: Simultaneous Equation Bias; Consequences of Simultaneous relations, The Indentification Problem: Under identification; exact identification; over identification; Rules for identification: The order and Rank Conditions of identification, multicollinearity and identification. Approaches to Estimation: The Method of Indirect least Square and the method of Two- Stage Least Square.

Unit-IV

Time Series Econometrics. Some Basic Concepts: Stochastic Processes, Stationary Stochastic Processes, Non-Stationary Stochastic Processes, Unit Root Stochastic Process, Trend Stationary and Difference Stationary Stochastic Processes, Integrated Stochastic Processes, The Phenomenon of spurious Regression, Tests of Stationarity: The Root Test, Co integration Forecasting: AR, MR, and ARIMA Modeling of Time Series Data, The Box- Jenkins(BJ) Methodology.

Note:
(A) Nine questions would be set in all.
(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(C) There would be two questions (16 marks each) from each of four units.
(D) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Suggested Readings:

- Gujarati, Damodar, N: Basic Econometrics, McGraw Hill Edition 2012.
- Koutsoyiannis,A: Theory of Econometrics, Harper and Row New York, 1973.
- Kmenta, Jan: Elements of Econometrics, 2nd ed. Macmillan, New York 1986.
- Krishna K.L: Econometric Applications in India , New Delhi, Oxford University Press
- Patterson Kerry P,: An Introduction to Applied Econometrics: A Time Series Approach, London, Palgrave, 2000.
- Pindyek, R S and D L Rubinfeld: Econometic Models and Economic Forecasts, 4th Ed. New York McGraw Hill.

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

UNIT - I

Sequencing: Notations, Terminology and Assumption; processing n jobs through two machines; processing n jobs through three machines; processing n jobs through m machines; processing two jobs through m machines.

UNIT - II

Inventory Control Model- Introduction and meaning, functional role of inventory Factors involved in inventory problem analysis, steps of Inventory model building. Economic order quantity (EOQ) model with constant Rate of demand, EOQ Model with different Rates of demand.

UNIT – III

Introduction to Markov Chains and applications characteristics of a Markov chain, State and transition probabilities, Multi period transition probabilities, Steady- State (Equilibrium) conditions.

UNIT – IV

Simulation, steps of simulation process; stochastic simulation and random numbers; Simulation of inventory problems, simulation of queueing problem, simulation of investment problems, simulation of maintenance problems.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Reading List:

- Gupta, Prem Kumar and Dira D.S (2007): Operations Research (6th ed.), New Delhi: S.Chand & Company Pvt. limited.
- Kapoor, V.K. (2001): Operations Research Techniques for management New Delhi: Sultan Chand & Sons.

- Sharma, J.K. (2013): Operations Research; Theory and Application (5th Ed.) Mac Millan Publishers India.
- Taha, H.A. (2012): Operations Research- An Introduction (7th Ed.) New Delhi: Prentice Hall of India.

VIII .4 - Environmental Economics

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit - I

Introduction to Environmental Economics : Introduction; The economy and the environment: inter-linkages; First two laws of thermodynamics

Economic Efficiency and Market Failures: Market solutions and efficiency; Market failures; Problem of externalities; Public goods and public bads; Common property resources; Non-convexities; Asymmetric information.

Unit - II

Economics of Pollution: Damage functions and abatement cost functions; Marginal decisions; Optimal level of pollution; Market solutions and government actions; Economic incentives and least-cost solutions; Command and control policies.

Unit - III

Valuing the Environment: Economic valuation of environmental goods; Types of environmental values; Monetary valuation techniques; Non-monetary valuation techniques; Comparing methodologies.

Unit – IV

Cost-Benefit Analysis and the Environment: The theory of cost-benefit analysis; Idea of discounting and choice of discount rate; Framework for cost-benefit analysis; Discounting and future generations.

Economic Growth and Sustainable Development: Economic growth and development; The environmental Kuznets curve; Economics of sustainable development

International Environmental Issues: Economics of climate change; Trade and the environment

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Reading List:

- Goodstein, E.S (2002)
- Economics and the Environment (3rd ed) Prentice Hall

IX .1(a) –Agriculture and Rural Development

Max. Marks: 100   **Written Exam:80**

Time: 3 Hrs.   **Internal Assessment: 20**

UNIT – I

Rural Development: Concept, nature, indicators and importance.

Agriculture and Rural Development Interface: The issues, role, challenges and the prospects.

UNIT – II

Rural Institutions and Infrastructure.

Rural Institutional Set-up and its Impact on the Process of Rural Development in India:

Panchayati Raj Institutions, Village Co-operatives, Gender Issues and RuralDevelopment in India.

Rural Infrastructure in India: Rural Roads, Banks, Drinking Water Supply and Sewerage System, Electricity, Educational facilities and Healthcare facilities, and Marketing Networks.

UNIT – III

Disparities in Rural Development.

Inter-state Disparities in Rural Development: Nature, Causes, Consequences and Remedial Measures.

Rural-Urban Disparities in Living Standards: Nature, Extent, Causes, Consequences, and Solutions.

UNIT – IV

Deprived Sections and Rural Development: Rural Poverty, Nature and Extent, Causes and Consequences and Remedial measures.

Rural Economic Scene in India: An overview of Pattern of Assets, Income and Expenditure Distribution.

Note:

(A) Nine questions would be set in all.

(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(C) There would be two questions (16 marks each) from each of four units.

(D) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Suggested Readings:

Chambers, Robert (1983) :   Rural Development: Putting the Last First, Longman Pub. Group.

Dixon, Chris J Dixon (1988):   Rural Development in the Third World, Routledge Gallant, Nick, Sui Monk Kidd Dave Shaw, Merri Juntti, (2008),"Introduction to Rural Planning" Routledge.

Jain, L C, Krishnamurthy B V and :   Grass Without Roots: Rural Development
Tripathy, I M (1988)   under Government Auspices, Sage Publications India Pvt. Ltd., New Delhi

Jytte Agergaard, Niels Fold, :   Rural-Urban Dynamics: Livelihoods,
and Katherine Gough eds. (2009)   mobility markets in African and Asian frontiers, Routledge

McAreavey, Ruth (2009)   :   Rural Development Theory and Practice, Routledge

Mosley, Malcolm J (2003)   :   Rurala Development: Principles and

Practices,

                       Sage Publications India Pvt. Ltd., New Delhi

Rao, V M (no date)   :   Rural Development and The Village Economy: Perspectives for Planning for Development,
                       Sterling Publishers Pvt. Ltd., New Delhi

Riley, John M (2002)   :   Stakeholders in Rural Development: Critical Collaboration in State-NGO
                       Sage Publications India Pvt. Ltd., New Delhi

Saturnino M Borras Jr., (Ed.) :   Critical Perspectives in Rural Development Studies, Routledge

Soundarapandian, M (2006) :   New Economic Policy and Rural Development
                       Serials Publications, New Delhi

Journals:
Economic and Political Weekly
Rural Development Perspectives

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

UNIT – I

Emerging Pattern and Issues of Rural Development in India.
Emerging Issues: Food Security and the PDS: The Problem, Objectives and the Remedial Measures.

UNIT – II

Approaches to Rural Development:
Nurksian Approach, the Cluster Approach to Rural Development. Gandhian Approach on Rural Development.

UNIT – III

Strategies of Rural Development:
Focusing on Agriculture: Sustainability, Conservation of Resources such as water management, shifting of people out of agriculture.
Alternatives in Rural Development: Dairying and Poultry Farming, Employment Generation for Rural Development: The Role, Scope and Prospects of Rural Non-Farm Enterprises; Rural-Urban nexus and its impact on Rural Development.

UNIT IV

Planning for Rural Development: Policy and Allocation under plans for rural Development.
The Role of Non-Government Organizations in India.
Appraisal of Rural Development in India since Independence.
Comparative Study of India and China.

.

Suggested Readings

Chambers, Robert (2008)	:	Revolution in Development Inquiry,
		Earthscan Publication Ltd.
Dixon, Chris J Dixon (1988)	:	Rural Development in the Third World, Routledge Gallant, Nick, Sui Monk Kidd, Dave Shaw, Merri Juntti, (2008),Introduction to Rural Planning" Routledge.
Jain, L C, Krishnamurthy B V and Tripathy, I M (1988)	:	Grass Without Roots: Rural Development under Government Auspices, Sage Publications India Pvt. Ltd., New Delhi
Jytte Agergaard, Niels Fold, Katherine Gough eds. (2009)	:	Rural-Urban Dynamics: Livelihoods, mobility and markets in African and Asian frontiers, Routledges
McAreavey, Ruth (2009)	:	Rural Development Theory and Practice, Routledge
Mosley, Malcolm J (2003)	:	Rural Development: Principles and

		Practices, Sage Publications India Pvt. Ltd., New Delhi
Murat Arsel, Max Spoor (eds.)	:	Water, Environmental Security and Sustainable Rural Development, Routledge
Saturnino M Borras Jr. (Ed.)	:	Critical Perspectives in Rural Development Studies, Routledge.

Journals:
Economic and Political Weekly
Rural Development Perspectives
Journal of Rural and Community Development

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

UNIT-I

Central Banking: Origin and Evolution; Rationale; Main Functions, Policy Tools, RBI – Role, Functions, Autonomy and monetary management.

UNIT – II

Commercial Banking : Functions, Risk Management – Types of Risk, Risk Management process, Assets/Liabilities Management. Major Developments in Commercial Banking in India since nationalization. Banking Sector Reforms
.

UNIT – III

Development Financial Institutions: Role, growth and structure of Development Financial Institutions (DFIs) in India, Types and control of NBFCs by RBI.

UNIT – IV

International Banking: Demand for and Supply of International Reserves –International Monetary Fund (IMF) and International Liquidity. European Monetary System - Features of Maastricht Treaty and Post Maastricht Treaty Developments. The
Euro currency Market – Development and Financial Implications.

Note:
(A) Nine questions would be set in all.
(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(C) There would be two questions (16 marks each) from each of four units.
(D) Candidates would be required to attend five questions (on compulsory and selecting one from each unit
.
Suggested Reading

Essential Readings
Baye, Jansen (1999)   :   Money, Banking and Financial Markets:
                                            An Economic Approach.
                                            AITBS Publishers and Distributors, New Delhi
Carbaugh, Robert J (2008)   :   International Economics, Eleventh Edition.
                                            Thomson South – Western
Croushore, Dean (2007)   :   Money and Banking (A Policy Oriented
                                            Approach)
                                            Houghton Muffin Company, New York.
Howells, Peter and Bain Keith (2002) :   The Economics of Money , Banking and
                                            Finance: A European Text.
                                            Pearson Education Ltd.
Khanna, Perminder (2005)   :   Advanced Study in Money and Banking :
                                            Theory and Policy, Relevance in the Indian

		Economy.
		Atlantic Publishers, New Delhi
Kulkarni, G (1999)	:	Modern Monetary Theory,
		Macmillan, New Delhi
Pande, G S (2006)	:	Principles and Practice of Insurance.
		Kalyani Publications, New Delhi
Singh Inderjit, Katyal, Rakesh (2006) :		Insurance, Principles and Practices
		Kalyani Publications, New Delhi

Supplementary Reading

Economic Survey (Govt. of India) : Different Issues

Reserve Bank of India : Different Reports

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

<div align="center">UNIT-I</div>

Introduction to Insurance: Concept, Principles and relevance. Insurance and economic development. Types of Insurance.

<div align="center">UNIT – II</div>

Life Insurance: Types, Principles, Growth of Life Insurance Corporation in India;Investment pattern of LIC Funds.

<div align="center">UNIT – III</div>

General Insurance: Types, Principles, Growth of General Insurance Corporation in India. Investment Pattern of GIC Funds, Underwriting procedure.

<div align="center">UNIT – IV</div>

Regulation of Insurance: Nationalisation of Insurance business in India after independence. Malhotra Committee Report. IRDA Act 1999 – salient features. Entry of private players.

Note:
(A) Nine questions would be set in all.
(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(C) There would be two questions (16 marks each) from each of four units.
(D) Candidates would be required to attend five questions (on compulsory and selecting one from each unit**.**

Suggested Reading

Baye, Jansen (1999)   :   Money, Banking and Financial Markets:
                                                An Economic Approach.
                                                AITBS Publishers and Distributors,
                                                New Delhi
Carbaugh, Robert J (2008)   :   International Economics, Eleventh Edition.
                                               Thomson South - Western
Croushore, Dean (2007)   :   Money and Banking (A Policy Oriented
                                                Approach) Houghton Muffin Company,
                                                New York.
Howells, Peter and Bain Keith (2002) : The Economics of Money , Banking and
                                                Finance: A European Text.
                                                Pearson Education Ltd.
Khanna, Perminder (2005)   : Advanced Study in Money and Banking :
                                                Theory and Policy, Relevance in the
                                                 Indian Economy
                                                Atlantic Publishers, New Delhi
Kulkarni, G (1999)   : Modern Monetary Theory,
                                                Macmillan, New Delhi
Pande, G S (2006)   : Principles and Practice of Insurance.
                                                Kalyani Publications, New Delhi
Singh Inderjit, Katyal, Rakesh (2006) :   Insurance, Principles and Practices
                                                Kalyani Publications, New Delhi

Supplementary Reading
Economic Survey (Govt. of India) : Different Issues
Reserve Bank of India : Different Reports

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

UNIT – I

Causes and consequences of Merger and Takeovers: Theoretical Issues. Empirical evidence from abroad: Merger Policies and Evaluation of merger policy: Distinguishing features of merger in 1991.

UNIT – II

Issues of Technological progress: Market Structure and Timing of Innovation, Logic of Patent Protection.
Rivalry and Collusive Conduct. Potential Competition: Limit Price and Strategy by dominant firm.

UNIT – III

Macro Economic Issues: Administered pricing; The Kinked Demand Curve and Full cost pricing; Transaction costs and price rigidity.
Issues of price discrimination: Nature of price discrimination. Effects of price discrimination.

UNIT – IV

Public Policy towards Market Structure, Conduct and Performance. Optimality of Perfect Competition. Costs of Monopoly. Theoretical issues and empirical measurement of social welfare loses. Evolution of Govt. of Indian Policy towards Monopolistic and Restrictive practices**.**

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit

Suggested Reading

Martin, Stephen (1989)   :   Industrial Economics
                                          McMillan Publishing Co., New Delhi
Scherer, F M & Ross David   :   Industrial Market Structure and
                                          Economic Performance
                                          (Boston Houghton Mifflin Company,
                                           3rd edition)
Hay, D A & Morris, D J   :   Industrial Economics and Organization
                                          (New York, Oxford Univ. Press
Shephered, William, G   :   The Economics of Industrial Organization
                                          Analysis, Market Policies
                                          (Prentice Hall International, 4th edition)

IX .3(b) Industry and Trade

Max. Marks: 100   Written Exam:80
Time: 3 Hrs.   Internal Assessment: 20

UNIT – I

Importance of International Trade and International Monetary System in the present Economic Environment.

Labour Productivity and Comparative advantage – Ricardian Model. Productivity and Competitiveness. Empirical evidence on the Ricardian Model.

Resources and Trade – The Heckscher – Ohlin Model, Factor Price equalization. Empirical testing of H.O. Model.

Specific Factors Model – Paul Samuelson and Ronald Jones. International Trade and distribution of Income.

UNIT – II

Concept, measurement, significance and extent of Intra – Industry Trade. Economies of Scale and International Trade.

International Trade Under Imperfect Competition – Monopoly, monopolistic competition and oligopoly.

Technology and International Trade – Technical Gap Theory.

UNIT – III

Cost of Transport, Environmental standard, Location of industry and international trade. Trade in factors of production – Labour and Capital.

Concept and motives for international labour migration. Welfare effects of international labour migration.

International Capital Flows – International Portfolio investment, Direct Foreign Investment – Concepts and effects.

UNIT – IV

The International Capital Market and Gains for International Trade – Risk aversion, Portfolio Diversification and Debt versus Equity.

The structure and growth of international capital market. Offshore Banking and Offshore Currency Trading. The growth of Euro currency Trading.

Regulating International Banking – The problem of Bank failure. Difficulties in regulating International Banking.

Note:

(**A**) Nine questions would be set in all.

(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.

(**C**) There would be two questions (16 marks each) from each of four units.

(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit

Suggested Reading:

Martin, Stephen (1989)   :   Industrial Economics
                                               McMillan Publishing Co., New Delhi

Scherer, F M & Ross David   :   Industrial Market Structure and
                                               Economic Performance

		(Boston Houghton Mifflin Company, 3rd edition)
Hay, D A & Morris, D J	:	Industrial Economics and Organization (New York, Oxford Univ. Press
Shephered, William, G	:	The Economics of Industrial Organization Analysis, Market Policies (Prentice Hall International, 4th edition)

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

UNIT – I

An introduction to Money: Functions and Types of money; Post-war controversy on the definition of money, Theoretical and empirical methods to distinguish money from near money assets. Types of monetary system and qualities of good monetary system.

UNIT – II

Demand for Money : The Classical Quantity Theory, The Keynesian Approach, The Post-Keynesian Approaches – Tobin – 'Liquidity Preference as behaviour towards risk', Boumol and Tobin – 'The Transactions demand for Cash: An Inventory – Theoretic Approach', Friedman's Theory
Supply of Money: Money Creation by the banking system. High Powered money and money multiplier. Measures of money supply in India.

UNIT – III

Monetary Policy: Targets, goals and the Trade offs among alternate goals, Policy Tools, Lags in Operation , Transmission Mechanism – Classical model, Keynesian model and monetarist model. Rules/Discretion. Monetary Policy in the open Economy. Autonomy of the Central Bank – RBI Autonomy and Monetary Management, R B I's monetary policy.

UNIT – IV

International Monetary System: Rise and fall of the Bretton Woods system. International Monetary Fund (IMF) and International Liquidity. The European Monetary System – eatures of Maastricht Treaty and Post- Maastricht Treaty Developments.

Note:
(A) Nine questions would be set in all.
(B) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(C) There would be two questions (16 marks each) from each of four units.
(D) Candidates would be required to attend five questions (on compulsory and selecting one from each unit**.**

Suggested Reading

Baye, Jansen (1999)	:	Money Banking and Financial Markets. An Economics Approach. AITBS Publishers and Distributors, New Delhi
Bhalla, V K (2010)	:	Investment Management – Security Analysis and Portfolio Management S Chand & Company Ltd.
Bhole, L M (2003)	:	Financial Institutions and Markets Tata McGraw Publishers Company Ltd., New Delhi
Chandra Prasnna (2008)	:	Investment Analysis and Portfolio

		Management.
		Tata McGraw-Hills Publishing Company Limited, New Delhi
Croushere Dean (2007)	:	Money and Banking (A Policy Oriented Approach)
		Houghton Miffin Company, New York.
Dennis, Geoffrey E J (1981)	:	Monetary Economics
		Longman Group Limited, London and New York
Eatwell, John and Taylor Lance (2003)	:	International Capital Markets, System in Transition,
		Oxford University Press, New Delhi
Fabozzi Frank J, Modigiliani Franco	:	Institutions and Instruments
		(Third Edition) Prentice Hall of India Pvt. Ltd., New Delhi
Fabozzi Frank J, Modigiliani Franco, Jones Frank J., Ferri Michael G (2007)	:	Foundation of Financial Markets and Institutions.
		Pearson Education.
Fischer Donald E and Jordan Ronald J. (2009)		security Analysis and Portfolio Management
		Pearson Education.
Howells, Peter and Barin Keith (2002)	:	The Economics of Money, Banking and Finance – A European Text
		Prentice Hall, Pearson Eduction Ltd.
Khan, M Y (2002)	:	Indian Financial System
		Tata McGraw Hill, New Delhi
Khanna, Perminder (2005)	:	Advanced Study in Money and Banking : Theory and Policy, Relevance in the Indian Economy

Atlantic Publishers, New Delhi

Further Readings

Economic Survey (Govt. of India)	:	(Various Issues)
Reserve Bank of India	:	Various Reports

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit – I
Financial System:
The Financial System and Economic Growth, Types and distinctive features of Financial Instruments, Financial Intermediaries and Financial Markets.

Unit – II
Portfolio Theory:
Measurement of Portfolio Return and Risk, Types of Risk, Diversification and Portfolio Risk, The Mean Variance Criterion, Optimal Portfolio, Capital Asset Pricing Model and Arbitrage Pricing Theory. The Efficient Market Hypothesis – Weak, semi-strong and strong form.

Unit – III
Term Structure of Interest Rates:
The Expectations Theory, Liquidity Premium Theory, Market Segmented Theory, Preferred Habitat Theory.

Valuation of Assets:
Valuing company shares and fixed interest bonds. Binomial Model for Option valuation, Black – Scholes model.

Unit – IV
Indian Financial System:
Structure, Reserve Bank of India – Role and Functions. SEBI – Role and Functions, Financial Sector Reforms. Capital Account Convertibility – Impact on Indian Financial System.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

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Baye, Jansen (1999)   :   Money Banking and Financial Markets: An
                                                Economics Approach.
                                                AITBS Publishers and Distributors, New
                                                Delhi
Bhalla, V K (2010)   :   Investment Management – Security Analysis
                                                and Portfolio Management
                                                S Chand & Company Ltd.
Bhole, L M (2003)   :   Financial Institutions and Markets
                                                Tata McGraw Publishers Company Ltd.,
                                                New Delhi

Chandra Prasnna (2008)   :   Investment Analysis and Portfolio
                                                Management. Tata McGraw-Hills
                                                Publishing Company Limited, New Delhi.
Croushere Dean (2007)   :   Money and Banking (A Policy Oriented
                                                Approach) Houghton Miffin Company, New
                                                York.
Eatwell, John and Taylor Lance (2003) : International Capital Markets, System in

Transition,
Oxford University Press, New Delhi

Fabozzi Frank J, Modigiliani Franco : Institutions and Instruments
(Third Edition) Prentice Hall of India Pvt. Ltd., New Delhi

Fabozzi Frank J, Modigiliani Franco, : Foundation of Financial Markets and
Jones Frank J., Ferri Michael G (2007)   Institutions. Pearson Education.

Fischer Donald E and Jordan Ronald J.   Security Analysis and Portfolio
(2009)   Management.Pearson Education.

Howells, Peter and Barin Keith (2002) : The Economics of Money, Banking and
Finance – A European Text. Prentice Hall,
Pearson Education Ltd.

Khan, M Y (2002)   :   Indian Financial System
Tata McGraw Hill, New Delhi

Khanna, Perminder (2005)   :   Advanced Study in Money and Banking :
Theory and Policy, Relevance in the Indian
Economy
Atlantic Publishers, New Delhi

Supplementary Readings
Economic Survey (Govt. of India)   :   (Various Issues)
Reserve Bank of India   :   Various Reports

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I

Importance and concepts of women studies – women in patriarchal and matriarchal societies and structures, patrilineal and matrilineal systems and relevance to present day society in India; Economic basis and functioning of patriarchy in developed and LDCs, particularly India.

Unit-II

Demography of female population: Age structure, mortality rates, and sex ratio – Causes of declining sex ratios and fertility rates in LDCs and particularly India – Theories and measurement of fertility and its control; Women and their access to nutrition, health, education and social and community resources, and their impact on female mortality and fertility, economic status, and in work participation rate.

Unit-III

Factors affecting decision making by women; Property rights; access to and control over economic resources, assets; Power of decision making at house hold, class community level; Economic status of women and its effect on work-participation rate, income level, health, and education in developing countries and India.

Unit-IV

Concept and analysis of women's work: valuation of productive and unproductive work; visible and invisible work; paid and unpaid-work; economically productive and socially productive work – Economic status, private and participation of women in pre-industrial and industrial societies.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

Reading List:

- Boserup E. (1970), Women's Role in Economic Development, George Allen and Unwin, London.
- Desai, N. and M.K. Raj (Eds.) (1979), Women and Society in India, Research Center   for Women Studies, SNDT Unviersity, Bombay.
- Government of India (1974), Towards Equality – Report of the Committee on the Status
- of Women in India, Department of Social Welfare, Ministry of Education and Social Welfare, New Delhi.
- Krishnaraj, M., R.M. Sudarshan and A. Shariff (1999), Gender, Population and Development, Oxford University Press, New Delhi.
- Seth, M. (2000), Women and Development: The Indian Experience, Sage Publications,   New Delhi.
- Venkateswaran S. (1995), Environment, Development and the Gender Gap, Sage Publications, New Delhi.
- Wazir, R. (2000), The Gender Gap in Basic Education: NGOs as Change Agents, Sage Publications, New Delhi.

IX.5(b) ECONOMICS OF GENDER AND DEVELOPMENT – II

Max. Marks: 100   **Written Exam:80**
Time: 3 Hrs.   **Internal Assessment: 20**

Unit-I

Wage differential in female activities; Determinants of wage differentials; gender, education, skill, productivity, efficiency, opportunity; Structure of wages across regions and economic sectors.

Unit-II

Impact of technological development and modernization on women's work participation in general and in various sectors such as agriculture, non-agriculture rural activities, small and cottage industries and organized industry

Unit-III

Female activities and ecological and environmental concern: the two way relationship - Role of new technologies for helping women – Provision of information and training for simple harvesting of economic services.

Unit-IV

Social security of women entitlements, ensuring economic independence and risk coverage, access to credit and insurance markets; Role of voluntary organizations, self help groups in providing social security; Labour market biases and gender discrimination; effectiveness of collective bargaining.

Note:
(**A**) Nine questions would be set in all.
(**B**) Question No. 1 based on the entire syllabus, would be compulsory. It would contain eight short answer questions of two marks each.
(**C**) There would be two questions (16 marks each) from each of four units.
(**D**) Candidates would be required to attend five questions (on compulsory and selecting one from each unit.

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- Boserup E. (1970), Women's Role in Economic Development, George Allen and Unwin,London.
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    for Women Studies, SNDT University, Bombay
- Government of India (1974), Towards Equality – Report of the Committee on the Status of Women in India, Department of Social Welfare, Ministry of Education and Social Welfare, New Delhi.
- Krishnaraj, M., R.M. Sudarshan and A. Shariff (1999), Gender, Population and
- Development, Oxford University Press, New Delhi.
- Seth, M. (2000), Women and Development: The Indian Experience, Sage Publications,   New Delhi.
- Srinivasan K. and A. Shariff (1998), India: Towards Population and Development
- Goals, Oxford University Press, New Delhi.
- Venkateswaran S. (1995), Environment, Development and the Gender Gap, Sage
- Publications, New Delhi.
- Wazir, R. (2000), The Gender Gap in Basic Education: NGOs as Change Agents, Sage
- Publications, New Delhi.