

Course Code: ECO-101

MICRO ECONOMICS-1

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Introduction: Nature and Scope of Economics; Methodology of Economics; Positive versus Normative analysis; Economic activities, Micro Economics and Macro Economics; Economic statics and dynamics.

Unit-II

Demand and supply- law of demand, demand function, Exception of law of demand; supply and law of supply, supply function; Equilibrium analysis;.

Unit-III

Theory of consumer behavior: Cardinal and Ordinal utility analysis; Elasticity of demand: types, degrees and measurement, Elasticity of supply; Consumer surplus.

Unit-IV

Production Analysis: Factors of production, Production function; Law of variable proportions returns to scale; Production functions with two variable factors-isoquants, marginal rate of technical substitution. Cost analysis: Short run and Long run.

Suggested Reading:

1. Pindyck Robert S Ruben Feld Daniel, "Microeconomics, Prentice Hall of India.
2. Mankiw Gregory N (1968) : Micro Economics; 3rd Thomson
3. Koutsoyiannis A (1979): Modern Micro-Economics McMillan Press London.
4. Kreps, David M. (1990): A Course in Microeconomic Theory, Princeton University Press, Princeton.
5. Layard, P.R.G. and A.W. Walters (1978): Microeconomic Theory, McGraw Hill, New York.
6. Sen, A. (1999), Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
7. Varian, H. (2000), Microeconomic Analysis, W.W. Norton, New York.
8. Hirshleifer, J. and A. Glazer (1997), Price Theory and Applications, Prentice Hall of India, New Delhi.
9. Green H.A.G. (1971), Consumer Theory, Penguin, Harmondsworth.
10. Da Costa, G. C. (1980), Production, Prices and Distribution, Tata McGraw Hill, New Delhi.

Course Code: ECO-103

MACRO ECONOMICS-1

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Meaning: Meaning of Macroeconomics, Macro and Micro Economics, Circular Flow of Economic activity; National income, Approaches and measurement. National income accounting

Unit-II

Theories of Employment: Output and Employment determination in classical theory; Say's law, Keynesian theory of income and output determination; Principle of effective demand.

Unit-III

Consumption: Consumption Function- short and long run Consumption function, Determinants of Consumption function, Multiplier, operations of multiplier.

Unit-IV

Theories of Investment: Meaning and type; Marginal efficiency of capital; accelerator principle: Super multiplier.

Suggested Reading:

1. Shapiro E (2003): Macroeconomic Analysis, Galgotia Publications New Delhi.
2. Rana and Verma: Macroeconomic Analysis, Vishal publications.
3. Mankiw: Macroeconomics MIT Press Cambridge.
4. Salvatore D L.2001, International Economics, Prentice Hall,
5. Upper Saddle River, New York Soderston B O.1999, International Economics, Macmillan Press Ltd. London.
6. Paul, R Krugman& Maurice, 2000 (5th Ed) Addison, International Economics, Theory and Policy Obstfeld–Wesley Series in Economics.
7. Mankiw, N. Gregory (2000), Macroeconomics Macmillan Worth Publishers 4th Edition
8. Taylor, L. (1983), Structuralist Macroeconomics, Basic Books, New Longman.
9. Turnovsky, S.J. (1977), Macroeconomic Analysis and Stabilization Policy, Cambridge University Press, Cambridge.
10. Dernburg, T.F.and D. M.Mc Dougall, Macroeconomics, McGraw Hill International Book Company.

Course Code: ECO-105

SOCIOLOGY-1

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit -I

The Sociological Perspective, Sociology as a science; Basic Concepts: Social structure, socialisation, values, norms, role and status Relationship between Sociology and other social sciences, Sociology and Economics

Unit -II

Theoretical perspectives: Functionalist, Marxist and Symbolic Interactionist, Individual and Society: Society, Community, Association and Institutions – meaning, characteristics and differences; Groups – Definition, characteristics and classification.

Unit -III

Social Stratification: Functionalist and Conflict perspectives, Social Mobility Gender, patriarchy and the feminist approaches, Types of Exchange: Reciprocity, redistribution and market

Unit -IV

Culture, Personality and Society, Multi-culturalism. Modernity and modernisation theories, Post-modernism; Globalisation and the new knowledge economy

Suggested Reading:

1. Haralambos, M. and R.M. Heald, Sociology : Themes and Perspectives, Oxford
2. Horton and Hunt, Sociology, McGraw Hill
3. Inkle, Alex, What is Sociology, PHI
4. Vidyabhushan and Sachdeva – Introduction to Sociology, KitabMahal
5. Singh, Y., Social Change in India, Har-Anand Publication
6. Ahuja, Ram, Society in India, Rawat Publication.
7. Deshpande, Satish, Contemporary India: Sociological Perspectives, Penguin
8. Handbook of Sociology, Oxford Publication.
9. MacIver and Page, Society, Macmillan
10. Johnson, H.M., Sociology : A Systematic Introduction, Allied Publishers Pvt. Ltd.
11. Marcuse, Herbert, One Dimensional Man, Vintage
12. Smelser, Neil J., Sociology of Economic Life
13. Beteille, Andre, Anti-Utopia, Oxford

Course Code: ECO-107

COMMUNICATION SKILLS IN ENGLISH-1

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

UNIT- I: BUSINESS COMMUNICATION - I

- Business English as a genre
- Importance of effective communication in business contexts
- Face to face communication with customers and visitors
- Basic skills for talking to people in transactional situations
- Providing customer services through communication over the intimal& telephone
- Making small talk and telling stories

UNIT -II: ENGLISH GRAMMAR

- Need for grammar
- Parts of speech
- Articles
- Tenses
- Subject- verb concord
- Common Errors

UNIT-III: TEAM SKILLS

- Taking part in business meetings
- Preparing agenda for meetings
- Making notes of business conversations
- Negotiating
- Soft skills for team building
- Consensus making communication

UNIT-IV: EFFECTIVE LISTENING

Suggested Readings:

1. Advanced English Grammar- Martin Hewing (CUP, Reprint 2009)
2. Oxford Guide to English Grammar –John Eastwood (OUP)
3. Gopal, Namita. Business Communication, New Age International Pub. New Delhi 2009.
4. Effective English IOIV. Published by BPS Mahila Vishwavidyalaya.
5. Communicating Effectively in English. New Delhi: King India Publication, 2008.
6. Wood, F.T. A Remedial English Grammar

Course code: ECO-109

COMPUTER FUNDAMENTALS

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Fundamentals of Computers: Introduction, Types (Analog, Digital and Hybrid); Characteristics of Computers; Evolution of Computers (History, Generation), Basic Components of a Computer, Their Functions and Inter-relation; RAM, ROM;

Unit-II

Computer Hardware and Software; Computer Languages; Types of Computer Systems; Data Representation: Number Systems (Binary, Octal and Hexadecimal) and Their Inter-Conversions; Binary Arithmetic; Organization of Memories;

Unit-III

Data Storage: Primary Storage; Secondary Storage; Input and Output Devices. Concept of Data Communication and Network Topology;

Unit-IV

Operating System: Meaning and Types; Introduction to MS Office: MS Word, MS Excel, MS PowerPoint; Internet: Usage and Applications.

Suggested Readings:

1. Sinha, P. K.: Computer Fundamentals, 3rd ed., BPB Publications, New Delhi.
2. Raman Raja: Fundamentals of Computer, Prentice Hall of India, New Delhi, 2007.
3. Jaiswal, S.: Computer science Question Bank Bible, Galgotia Publishers, New Delhi, 1997.
4. Dhunna Mukesh, Dixit J.B.: Information Technology in Business Management, University Science Press New Delhi (An imprint of Laxmi Publications, New Delhi), 2010
5. Gill N.S.: Computer Network, Krishna Publishing House, New Delhi
6. Douglas, E. Comer: Computer Network and Internet, Pearson Education, New Delhi

Course Code: ECO-102

MICRO ECONOMICS-II

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Market Analysis: Perfectly competitive market, characteristics; Equilibrium of firm; Short run and long run supply curve of firms and industry; Monopoly; Characteristics; equilibrium of firm; Monopoly power; Price discrimination.

Unit-II

Market Analysis: Monopolistic market structure, product differentiation, short run and long run equilibrium; Oligopoly market structure; Duopoly; Price leadership

Unit-III

Theory of Distribution: Marginal productivity theory of distribution; Ricardian and kaldor theory of distribution

Unit-IV

Factor pricing: Wage: Marginal productivity theory of wage; Rent: Ricardian and modern theory of rent; Interest: Liquidity preference theory of interest, loanable fund theory; Profit: innovation theory and risk theory.

Suggested Reading:

1. Pindyck Robert S Ruben Feld Daniel, "Microeconomics, Prentice Hall of India.
2. Mankiw Gregory N (1968) : Micro Economics ; 3rd Thomson
3. Koutsoyiannis A (1979): Modern Micro-Economics McMillan Press London.
4. Kreps, David M. (1990), A Course in Microeconomic Theory, Princeton University Press, Princeton.
5. Layard, P.R.G. and A.W. Walters (1978), Microeconomic Theory, McGraw Hill, New York.
6. Sen, A. (1999), Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
7. Varian, H. (2000), Microeconomic Analysis, W.W. Norton, New York.
8. Hirshleifer, J. and A. Glazer (1997), Price Theory and Applications, Prentice Hall of India, New Delhi.
9. Green H.A.G. (1971), Consumer Theory, Penguin, Harmondsworth.
10. Da Costa, G. C. (1980), Production, Prices and Distribution, Tata McGraw Hill, New Delhi

Course Code: ECO-104

MACRO ECONOMICS-II

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Theories of Consumption: Keynesian Psychological law of consumption, Absolute income hypothesis, Relative Income Hypothesis, Permanent Income hypothesis, Life cycle income Hypothesis.

Unit-II

Demand and supply of Money: Money: meaning, type, function, High powered money, Money supply Multiplier and control over Money supply; Demand for Money; Classical and Keynesian.

Unit-III

Economic Growth: Meaning of Economic Growth, Economic Growth and economic development, Theories of Economic Growth (Adam Smith, Ricardo, Karl Marx).

Unit-IV

Inflation: Definition and type, Demand side and supply side inflation, Trade-off between Inflation and Unemployment, Operations of Fiscal Policy and Monetary Policy

Suggested Reading:

1. Shapiro E (2003): Macroeconomic Analysis, Galgotia Publications New Delhi.
2. Rana and Verma: Macroeconomic Analysis, Vishal publications.
3. Paul, R Krugman & Maurice, 2000 (5th Ed) Addison, International Economics, Theory and Policy Obstfeld–Wesley Series in Economics.
4. Ellsworth P T and J Clark Leith, 1971, The International Economy, Collier Macmillan Ltd. London
5. Frisch, H. (1983), Theories of Inflation, Cambridge University Press, Cambridge.
6. Sheffirin, S.M. (1996), Rational Expectations, Cambridge University Press, Cambridge.
7. Lucas, R. (1981), Studies in Business Cycle Theory, MIT Press, Cambridge, Massachusetts.
8. Taylor, L. (1983), Structuralist Macroeconomics, Basic Books, New Longman.
9. Ruggles R. and N. Ruggles (1956), National Income Accounts and Income Analysis Mc Graw Hill, Newyork.
10. Dernburg, T.F. and D. M. Mc Dougall, Macroeconomics, McGraw Hill International Book Company.

Course Code: ECO-106

SOCIOLOGY-II

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

UNIT -I

Emile Durkhiem: Social fact, Division of Labour in Society, Max Weber : Social action, Rationalisation, Protestant Ethic and Spirit of Capitalism, Karl Marx: Historical Materialism, Class Struggle

UNIT -II

Perspectives on Caste, Change and continuity in Caste, Class in India: Agrarian, working and the middle classes Family, Marriage and Kinship in India

UNIT -III

Women and Society in India, Social Change in Modern India: Sanskritisation; Westernization and Modernization, Globalization: Socio-economic impact and Cultural Change in India

UNIT -IV

Social Movement: Concept and theories; Women's movement in India, New Social Movements in India Social Problems: Poverty, Dowry, Corruption, Crimes against Women

Suggested Reading:

1. Durkhiem, Emile. Rules of Sociological Method
2. Durkhiem, Emile. Division of Labour in Society
3. Weber, Max. Protestant Ethic and the Spirit of Capitalism
4. Weber, Max. Economy and society
5. Marx, Karl . The German Ideology
6. Uberoi, Patricia. Family, Kinship and Marriage in India, Oxford
7. Rao, M.S.A., Social Movements in India
8. Ahuja, Ram . Social Problems in India
9. Chaudhuri, Maitrayee. Feminism in India, Women Unlimited
10. Srinivas, M.N., Social Change in Modern India, Orient Longman
11. Gupta, Dipankar(ed.). Social Stratification, Oxford
12. Geetha, V., Patriarchy, Stree Pub.
13. Kumar, Radha . A History of Doing, Kali for Women
14. Singh, Rajendra. Social Movements: Old and New
15. Chaudhuri, Maitrayee. Indian Women's Movement : Reform and Revival

Course Code: ECO-108

COMMUNICATION SKILLS IN ENGLISH-II

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

UNIT-I: BUSINESS COMMUNICATION – II

- Agreeing and disagreeing
- Presentations & Group Discussions
- Inter & Intraorganizational communication
- Handling complaint calls
- Handling After-sales problems
- Tele interviews

UNIT -II: WRITING

- Minutes of meetings
- Standard business letters
- Drafting emails
- Short reports
- Technical writing
- Preparing resumes and covering letters

UNIT-III: INTERPERSONAL COMMUNICATION

- Non-verbal communication
- Sounds and symbols in English
- Word and sentence stress
- Intonation

UNIT-IV: LISTENING PRACTICE

Suggested Readings:

1. Advanced English Grammar- Martin Hewing (CUP, Reprint 2009)
2. Oxford Guide to English Grammar –John Eastwood (OUP)
3. Gopal, Namita. Business Communication, New Age International Publishers, New Delhi 2009
4. Effective English I0IV. Published by BPS Mahila Vishwavidyalaya.
5. Communicating Effectively in English. New Delhi: King India Publication, 2008.
6. Wood, F.T. A Remedial English Grammar

Course Code: ECO-110

ECONOMIC HISTORY OF INDIA

Time: 3 Hrs.

Max. Marks: 100

External:80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Indian Economy on the eve of British rule: Indian Economy on the eve of British rule, Economic drain from India, Economic transition in India; Commercialization of Agriculture, Deindustrialisation of India.

Unit-II

Transition in India's social structure: India's Economic backwardness; Demographic Transition; population growth, over population and poverty.

Unit-III

Indian Agriculture –A survey: Land system in India, Land revenue system, Land reforms in India, Famines and food problem, co-operative movement in India, agricultural policy before and since independence.

Unit-IV

Industry and trade: Industrial backwardness under British rule, India's major industries, Industrial policy, India's foreign trade, India and world depression.

Suggested Reading:

1. G.Kaushal : Economic History of India, Kalyani publications, New Delhi.
2. V.B.Singh : Economic History of India, Allied publications private limited, Bombay

Course Code: ECO-201

INDIAN ECONOMY

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Structure of Indian Economy: Characteristics of Indian Economy, Demographic features of Indian Population, Planning in India; Problems of unemployment, Poverty in India, and Income inequality in India

Unit-II

Economic Reforms: New Economic Policy (1991), Economic Reforms; Liberalization, Privatization, Globalization, Monetary and Fiscal Policies in India.

Unit-III

Basic Issues in Indian Agriculture: Role of agriculture in Indian economy, Policies for Agriculture development, Land reforms, Green Revolution, Agricultural subsidies and food security in India. WTO and Indian Agriculture,

Unit-IV

Industrial Policy: Industrial policy; industrial Development in India since New Economic policies; Service Sector: Role and performance in India;

Suggested Reading:

1. *Dutt Rudder and K.P.M Sunderam* (2001): Indian Economy, S Chand &Co. Ltd. New Delhi.
2. Mishra S.K & V.K Puri (2001) "Indian Economy and –Its development experience", Himalaya Publishing House.
3. KapilaUma : Indian Economy : Policies and Performances ,Academic Foundation
4. Bardha, P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi.
5. Jalan, B. (1996), India's Economic Policy- Preparing for the Twenty First Century, Viking, New Delhi.
6. Mishra S.K.and Puri V.K, Indian Economy Himalaya Publication House Latest Edition.

Course Code: ECO-203

QUANTITATIVE TECHNIQUES-I

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Basic Concepts: Variable and parameters, Set theory, Functions with their graphs, Limit and continuity with economic application, Equation- Simple, Quadratic and Simultaneous and their economic application.

Unit-II

Calculus: Simple, Partial and total differentiation with economic application, Homogenous function with properties, maxima and minima – one and two variables with economic application.

Unit-III

Integration: Basic Concepts, Methods of Substitution, partial fraction, Integration by parts and economic applications; Consumer and producer's surplus;

Unit-IV

Series: Arithmetic and Geometrics Series and their economic application, Rate of Growth: types and its measurement.

Suggested Reading:

1. Chiang, Alpha. C (1984). "Fundamental Method of Mathematics Economics", 3rd Edition
2. Yamane, Taro (1972). "Mathematical Analysis: Business and Economics Application", 4th Edition.
3. Allen, R.G.D (1983). "Mathematical Analysis for Economist", Macmillan & co. Ltd.
4. Monga, G.S (2000). "Mathematics and Statistical for Economist", Vikas Publishing house, New Delhi.
5. S.C Aggrawal and R.K Rana "Basic mathematics for economics"
6. Mathematics for Economics by Michael Hoy etal, PHI, New Delhi, 2004.
7. Quantitative Methods for Business and Economics by Adil H. Mouhammed, PHI, New Delhi, 2003.
8. Leontief, W. (1936) Quantitative input-output relations in the economic systems of the United States. Review of Economics and Statistics, Vol 18, pp.105-125.
9. Miller, R.E. and P.D. Blair (1985) Input-Output Analysis: Foundations and Extensions. Prentice-Hall, Englewood Cliffs, New Jersey.

Course code: ECO-205

PRINCIPLE OF BANKING AND INSURANCE

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Commercial Banking: Meaning and functions of commercial banks, Process of Credit Creation; Evolution of commercial banking in India after independence, a critical appraisal of the progress of commercial banking after nationalization. Recent reforms in banking sector in India.

Unit-II

Central Banking: Function of central bank, Quantities and qualitative methods of credit control: Role and functions of Reserve bank of India.

Unit-III

Insurance: Evolution and Growth, Meaning, Nature, Function, Type and Principles; Social Security and Insurance; Social Responsibility of Insurance; Insurance Intermediaries; Life Insurance Products in India; Economic Development and Insurance;

Unit-IV

Insurance: Life and Non-Life Insurance: Procedures and Documentations; Actuarial Insurance; Settlement of Claims; Legal Aspects of Insurance; IRDA and Insurance Business; Brief Overview of Fire, Marine, Property, Liability and Rural Insurance.

Suggested Readings:

1. Shrikrishan Laxman Karve, Principles of Life Insurance, Himalaya Publishing Pvt. Ltd, New Delhi.
2. P. Periasamy, Principle and Practice of Insurance, Himalaya Publishing Pvt. Ltd, New Delhi.
3. S.C. Sahoo, S.C. Das, Insurance Management, Himalaya Publishing Pvt. Ltd, New Delhi.
4. Nilam C. Gulati, Principle of Insurance Management, Excel Books, New Delhi. 1.
5. Gupta S.B. (1994), "Monetary Economics", S.Chand & Company, New Delhi.
6. Shapiro. (1996) "Macroeconomics Analysis", Golgotha Publications, New Delhi
7. Ackley, (1978). "Macroeconomics: Theory and Policy", Macmillan Publishing Co. New York.
8. Dinlio, A.E. (Latest Edition). "Theory and Problems of Money and Banking", International Edition.
9. The Reserve Bank of India (1983). "The Reserve Bank of India: Functions and Working", Bombay.

Course Code: ECO-207

POLITICAL SCIENCE-I

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Political Science, Meaning, Nature, Scope relationship of political science with, History & Economics

Political theory Nature, Scope and Significations

Unit-II

Concept of State, State meaning & Elements, distinction from Government and Society;

Concept of Welfare State;

Unit-III

Key concept: Power, National power, meaning, element or determinates of National Power, Right, Liberty

Unit-IV

Kinds of Government: Democratic, Presidential and Parliamentary forms.

Suggested Readings:

1. N.P. Barry, Introduction to Modern Political Theory, London, Macmillan, 1995.
2. M. Carnoy, The State and Political Theory, Princeton NJ, Princeton University Press, 1984.
3. G. Catlin, A Study of the Principles of Politics, London and New York, Oxford University Press, 1930.
4. D. Held, Models of Democracy, Cambridge, Polity Press, 1987.
5. G. McLellan, D. Held and S. Hall (eds.), The Idea of the Modern State, Milton Keynes, Open University Press, 1984.
6. D. Miller, (ed.), Liberty, Oxford, Oxford University Press, 1991.
7. S. Ramaswamy, Political Theory: Ideas and Concepts, Delhi, Macmillan, 2002.
8. S. Wasby, Political Science: The Discipline and its Dimensions, Calcutta, Scientific Book agency, 1970.
9. Vishnu Bhagwan, Political Theory.
10. Jain, Political Theory, Marxist and Liberal, Jain Printing House, Delhi.
11. R. C. Vermani. Political Theory.

Course Code: ECO-209

ENGLISH-I

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Oral Communication: Basic concepts, scope and significance, discussion on topic of contemporary relevance, interviews, GD; Body Language: Gestures, postures, facial expression, tone, pitch, rhythm.

Unit-II

Essentials of good speaking; dialogues, public speaking and formal presentation, Situation speaking (pair work), Listening for specific purposes.

Unit-III

Vowels, Consonants, Phonetics Syllables, Transcription of 'received pronunciation' and common English words, including those with '-ed' and '-s' endings, into IPA;

Unit-IV

Primary stress placement on words, IPA transcription of weak forms, Use of falling, rising and falling-rising tones in ordinary Statements, question, orders and requests.

Suggested Readings:

1. Advanced English Grammar- Martin Hewing (CUP, Reprint 2009)
2. Oxford Guide to English Grammar –John Eastwood (OUP)
3. Gopal, Namita. Business Communication, New Age International Pub. New Delhi 2009.
4. Effective English IOIV. Published by BPS Mahila Vishwavidyalaya.
5. Communicating Effectively in English. New Delhi: King India Publication, 2008.
6. Wood, F.T. A Remedial English Grammar

Course Code: ECO-202

QUANTITATIVE TECHNIQUE-II

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Calculus: Differential equations and its application, Difference equation with its application constrained optimization problems (Maxima and Minima of more than two variables)

Unit-II

Matrices and Determinants: Matrices: Meaning, types, transpose, adjoint, inverse of matrices; Determinants, Solution of a system of two and three equations by matrix method and Cramer Rule.

Unit-III

Basic Statistics: Measures of Central Tendency: Mean, Geometric Mean, Harmonic Mean, Weighted Mean. Median and Mode

Unit-IV

Statistics: Measures of Variation: Range, deviation, quartile and interquartile range; Coefficient of variation, Lorenz Curve.

Suggested Reading:

1. Chiang, Alpha.C (1984). "Fundamental Method of Mathematics Economics", 3rd Edition
2. Yamane, Taro (1972). "Mathematical Analysis: Business and Economics Application", 4th Edition.
3. Allen, R.G.D (1983). "Mathematical Analysis for Economist", Macmillan & co. Ltd.
4. Monga, G.S (2000). "Mathematics and Statistical for Economist", Vikas Publishing house, New Delhi.
5. S.C Aggrawal and R.K Rana "Basic mathematics for economics"
6. Mathematics for Economics by Michael Hoy et al, PHI, New Delhi, 2004.
7. Basic Mathematics for Economists by R.C. Joshi, New Academic Publishing
8. Leontief, W. (1936) Quantitative input-output relations in the economic systems of the United States. Review of Economics and Statistics, Vol 18, pp.105-125.
9. Miller, R.E. and P.D. Blair (1985) Input-Output Analysis: Foundations and Extensions. Prentice-Hall, Englewood Cliffs, New Jersey.

Course Code: ECO-204

HISTORY OF ECONOMIC THOUGHTS

Time: 3 Hrs.

Max. Marks: 100

External: 80

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Importance of History of economic Thoughts; Mercantilism: Main Ideas, significance and decline of mercantilism; Physiocracy: Main philosophy, significance.

Unit-II

Adam Smith: Philosophy of naturalism, Theory of Economic Growth, Theory of value and Distribution

Ricardo: Theory of Distribution, theory of Growth and Value, Theory of international trade,

Unit-III

Malthus's Principle of population, Karl Marx- Marxian Philosophy and Theory of Surplus value.

J.M. Keynes: Introduction, The theory of effective demand and interest, Keynes and classical.

Unit-IV

Nobel Laureates in Economics: Contributions of Nobel laureates in Economics, Renowned Nobel laureates (Kuznets, Leontief, Gunnar Myrdal), Amartya Sen; Sen on poverty.

Suggested Readings:

1. Paul .R.R "History of Economic Thought" Kalyani publication, New Delhi.
2. Dasgupta, A K (1986): Epochs of Economic Theory, Oxford University Press New Delhi.
3. V.Lokanathan "History of Economic Thought" S. Chand Publication.
4. Barber, William, A History of Economic Thought, Penguin Books, 1977.
5. Bell, John F., A History of Economic Thought, Ronald Press, 1967
6. Black, RD Collison, Ideas in Economics, Barnes and Noble Books, 1986
7. Black, R.D.C., Ideas in Economics, Barnes and Noble, 1986
8. Blaug, Mark, Economic Theory in Retrospect, Cambridge University Press, 1985, 1992
9. Buchholz, Todd, New Ideas From Dead Economists, A Plume Book, 1990
10. Burt, Everett, Social Perspectives in the History of Economic Theory, St. Martin's Press, 1972
11. Canterbury, Ray, The Making of Economics, Wadsworth Publishing, 1987
12. Canterbury, Ray, The Literate Economist: A Brief History of Economics, HarperCollins, 1995.
13. Dobb, Maurice, Theories of value and Distribution Since Adam Smith, Cambridge, University Press, 1973

Course code: ECO-206

Indian Financial System

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

UNIT-I

Financial Markets: Nature and role; Money and capital market; Money market – meaning, constituents, functions and instruments; recent trends in Indian money market;

UNIT-II

Capital market- primary and secondary markets; their role and recent developments; Government securities market. SEBI: Objectives and Functions; Mutual fund; Underwriting; Merchant banking

UNIT-III

Development banks: Concept, objectives, and functions of development banks; Role of development banks; IFCI, IDBI, NABARD, SIDCs, SIDBI; Non-banking financial institutions: Concept, role and functions.

UNIT-IV

Major Sources of finance: Financial Instruments: Shares, Debentures/Bonds including (Floating Rate Bonds, Zero Coupon Bonds, Deep discount bonds); Warrants, Derivatives: Futures, Options swaps. ADRs, GDRs, IDR; Interest Rate Structure;

Suggested Readings:

1. Chandle, L.V. and Goldfeld, S.M., The Economic of Money and Banking, Harper and Row, New York.
2. Gupta, S.B., Monetary Planning of India; S. Chand, New Delhi.
3. Khan, M.Y., India Financial System-Theory and Practice; Tata McGraw Hill, New Delhi.
4. Report on Currency and Finance.
5. Sengupta, A.K. and Agarwal, M.K., Money Market Operations in India; Skylark Publications, New Delhi.
6. Gupta and Sharma, Indian Financial System, Kalyani Publishers, New Delhi.

Course Code: ECO-208

POLITICAL SCIENCE-II

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Constitution: Meaning, Types, Merits & Demerits; Basic Features of Indian Constitution; Preamble of Indian Constitution.

Unit-II

Central Government of India: President, Prime Minister and Parliament: their role and functions.

Unit-III

Fundamental Rights & Duties, State Government: Governor, Chief Minister and State Legislature

Unit-IV

Features and Importance of 73rd Constitutional Amendment; Structure and functions of Rural Panchayati Raj in India;

Note: Yearly One Trip of Parliament House for Session or President House.

Suggested Reading:

1. G.Austin, The Indian Constitution: Corner Stone of a Nation Oxford, Oxford University Press, 1966.
2. G. Austin, Working a Democratic Constitution: The Indian Experience, Delhi, D.D. Basu, An Introduction to the Constitution of India, New Delhi, Prentice Hall, 1994.
3. D.D. Basu and B. Parekh (ed.) Crisis and Change in Contemporary India, New Delhi, Sage 1994.
4. C.P. Bhambhri, The Indian State: fifty years, New Delhi, Shipra, 1997.
5. P. Brass, Politics of India Since Independence, Hyderabad, Orient Longman, 1990.
6. Surat Singh, Panchayati Raj.
7. Dr. A.s. Narang, Indian Govt. & Politics, Gitanjali Publication.
8. R.C. Agarwal, Indian Govt. & Politics, S.C. Publication.
9. Dr. Pukhraj Jain, Indian Govt. & Politics, Sahitya Publication, agra.
10. Dr. D.D. Basu, Commentary on Indian Constitution Wadhwa Publication, Nagpur.
11. B.L. Fadia, Indian Govt. & Politics, Sahitya Publication, Agra.

Course Code: ECO-210

ENGLISH-II

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Word Study & Writing: Word formation, Illustrative use of words, Paragraph, letter, precise and technical writing.

Unit-II

Sentence Structure & Grammar: Common Errors, Punctuation, Parts of Speech, Subject-verb concord, Introduction to tenses, Articles.

Unit-III

COMPOSITION: Re-arranging jumbled sentences to form a coherent paragraph, Officials Letter (representation/complaints etc), Summary.

Unit-IV

VOCABULARY: One word substitutes, words often confused, list of adjectives, list of adverbs, prefixes and suffixes, verbal phrases

Suggested Readings:

1. Advanced English Grammar- Martin Hewing (CUP, Reprint 2009)
2. Oxford Guide to English Grammar –John Eastwood (OUP)
3. T. Balasubramanian. A Handbook of English Phonetics for Foreign Students. Macmillan India, 1995.
4. Sethi & Dhamija. A Course on Spoken English, PHI, New Delhi
5. Jones, Daniel, English Pronunciation.
6. Communicating Effectively in English by Revathi Srinivas Chandigarh: Abhishek Publications, 2008.

Course Code: ECO-301

MATHEMATICAL ECONOMICS

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Input-Output Analysis; Game Theory; Decision under risk and uncertainty;

Unit-II

Linear Programming: Basic concepts, formulation and graphic method, simplex method; Duality and economic application of LPP.

Unit-III

Cardinal and ordinal utility maximization, Slutsky equation, compensated Demand function, concepts of elasticity.

Unit-IV

Production function, homogenous and non-homogenous, properties of Cob-Douglas, CES production function, optimization problems- cost, output, utility.

Suggested Reading:

1. Chiang, Alpha. C (1984). "Fundamental Method of Mathematics Economics", 3rd Edition
2. Yamane, Taro (1972). "Mathematical Analysis: Business and Economics application", 4th Edition.
3. Arrow, K.J. and M. Intrilligator (Eds.) (1982), Handbook of Mathematical Economics, Volumes I, II and III, North Holland, Amsterdam.
4. Henderson, J.M. and R.E. Quandt (1980), Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi.
5. Chung, J.W. (1993), Utility and Production: Theory and Applications Basil Blackwell, London.
6. Ferguson, C.E. (1976), Neo-Classical Theory of Production and Distribution.
7. Allen, R.G.D (1983). "Mathematical Analysis for Economist", Macmillan & co. Ltd.
8. Monga, G.S (2000). "Mathematics and Statistical for Economist", Vikas Publishing house, New Delhi.

Course Code: ECO-303

HUMAN RESOURCE DEVELOPMENT

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Human Resource Development: 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; Role of public and private investment in human capital formation; Economics of education, 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; Managing Human Resources, Demand and supply forecasting, 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; Human Resource Information System.

Suggested Reading:

1. Bellante, Don and Mark: Jackson *Labor Economics: Choice in Labor Market*, McGraw-Hill Book Company, New York.
2. Campbell, R McConnell: Stanley L. Contemporary Labor Economics, McGraw-Brue, Hill Book Company, New York.
3. Kempton, John *Human Resource Management and Development: Current Issues and Themes*, MacMillan, London.
4. Richard B Perterson and Lam Tracy *Systematic Management of Human Resources*, Addison Wesley Publishing Company, London.
5. Schultz, Theodore W. (1981) *Investing in People: The Economics of Population Quality*, Hindustan Publication Corporation (India), Delhi.
6. Stoney, John J. (ed.) *Human Resource Management: A Critical Text*, Routledge, London.,50

Course Code: ECO-305

ECONOMICS OF POPULATION

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

UNIT-I

Theories of Population: Malthus, Leibenstein; Demographic transition theory and Optimum population theory. Population and Economic Development: Utilization of resources (Boseup thesis) technology and production of food, Population and Environment.

UNIT-II

Population Structure and Characteristics: Impact of Population growth on the age and gender Structure. Aging of population; Fertility: Concepts of fertility transition; Measurement of fertility and fertility differentials in India. Mortality: Concepts and Measurement; Mortality differentials in India.

UNIT-III

Migration: Concepts, Types, measurement, migration selectivity, causes and consequences of migration. Migration in India: Causes and Trends; Male-Female. Urbanization: Concepts, Determinants and Consequences; Trends of Urbanization in India.

UNIT-IV

Growth and Structure of Indian Population: Literacy: Literacy transition in India, pattern of literacy and literacy differentials in India. Economic Composition of Indian Population: Work force participation and occupational Structure; Estimation of Population in India; Population Policy in India since Independence.

Suggested Reading:

1. Chandna, R C (2000) : A Geography of Population: Concepts, Determinants and Patterns, KalyaniPublishers, New Delhi
2. John R Weeks (2002) : Population : An Introduction to Concepts and Issues (7th edition), Wadsworth Publishing Company, New York
3. Leibenstein, H (1957) : Economic Backwardness and Economic Growth, New York, John Wiley and Sons
4. Proceedings of the International : Population: Today and Tomorrow –Policies, Theories and Methodologies, B R Publishing Corporation, Delhi 51
5. Sauvey, A (1969) : A General Theory of Population, Basic Books, New York
6. Simon, J L (1992) : Population and Development in Poor Countries, Princeton University Press, New Jersey
7. Thompson, W S and Lewis, D T : Population Problems, Tata McGraw Hills (1976) Publishing Co., New

Course Code: ECO-307

INTERNATIONAL ECONOMICS

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

International Trade theories: Scope and Need for International Economics; Trade as an engine of growth, Inter-regional and Inter-national trade, international Trade theories -Theory of absolute advantage, comparative advantage & Opportunity Costs, Heckscher –Ohlin theory of Trade .

Unit-II

Gains from Trade: Terms of trade; Gains from trade-their measurement and distribution, Barrier to trade: Impact of Tariff and non-tariff barriers on host and home countries;

Unit-III

Balance of Payments: Meaning, structure, Disequilibrium in BOP, approaches to correct BOP Disequilibrium; foreign trade multiplier. Internal and external balance; Trading blocks and regional integration (SAARC, ASEAN, NAFTA AND SAFTA)

Unit-IV

International monetary fund (IMF); World Bank; World trade organization (WTO); International Liquidity; India's foreign trade since 1991; India's balance of payment;

Suggested Reading:

1. Kindlberger, C P, 1991, International Economics, R D Irwin, Homewood 8th Ed.
2. Salvatore D L. 2001, International Economics, Prentice Hall, Upper Saddle River, New York
3. Soderston B O. 1999, International Economics, Macmillan Press Ltd. London.
4. Paul, R Krugman & Maurice, 2000 (5th Ed) Addison, International Economics, Theory and Policy Obstfeld–Wesley Series in Economics.
5. Ellsworth P T and J Clark Leith, 1971, The International Economy, Collier Macmillan Ltd. London
6. Oded Shenkar and Yadong Luo: International Business- Wiley student Edition, John Wiley & Sons.

Course code: ECO-309

MARKETING MANAGEMENT

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

UNIT-I

Introduction: Nature, Scope and Concept of Marketing, Corporate orientation towards the Market Place; Market Environment and Environment Scanning; Marketing Information System and Marketing Research; Understanding Consumer and Industrial Markets; Market Segmentation, Targeting and Positioning;

UNIT-II

Product Decisions: Product Mix, Product Life Cycle, New Product Development, Branding and Packaging Decisions; Pricing Methods and Strategies; Promotion Decisions: Promotion Mix, Advertising, Sales Promotion, Publicity and Personal Selling;

UNIT-III

Channel Management-Types and Functions, Selection, Co-operation and Conflict Management, Vertical Marketing- implementations and system, Marketing Logistics; Organizing and Implementing Marketing in the Organization;

UNIT-IV

Evaluation and Control of Marketing Efforts; Ethics in Marketing; New issues in Marketing- Globalization, Consumerism, Green Marketing, Direct Marketing, Network Marketing, Event Marketing.

Suggested Readings:

1. Kotler, Philip and Armstrong, G., *Principles of Marketing*, Prentice Hall of India, New Delhi, 2002.
2. Kotler, Philip., *Marketing Management*, Prentice Hall of India, 11th Edition, New Delhi 2002.
3. Perrealt, William D. and McCarthy, Jr. E. Jerome, *Basic Marketing*, Tata McGraw Hill, 14th Edition 2002.
4. RajanSaxena, *Marketing Management*, Tata McGraw Hill, 2nd Edition, 2002.
5. Czinkota&Kotabe., *Marketing Management*, Vikas Publishing House, New Delhi.
6. Ramaswamy,V. S. and Namakumari, S., *Marketing: Planning, Control*, Macmillan, New Delhi,1990.
7. Zikmud, *Marketing*, Thomson Learning,7th Edition, Mumbai

Course Code: ECO-302

GROWTH AND DEVELOPMENT

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Basic concepts of Economic Development: Economic Growth and Economic Development, Indicators and core values of Development, Characteristics of Developing Economy, Determinants of Development, Measurement of Development (PQLI, HDI). The Millennium Development Goals, Sustainable Development.

Unit-II

Theories of Development: Adam Smith's Theory, David Ricardo's Theory of Growth, Karl Marx's Theory, Rostow's Growth Theory, Schumpeter's Theory.

Unit-III

Poverty Inequality and Development: Measurement of Inequality, Measurements of Poverty, Vicious Circle of Poverty, Big push Theory, Balanced Growth and Unbalanced Growth, Low level equilibrium Trap Theories, Theory of Critical Minimum effort.

Unit-IV

Domestic and International Measures of Development: Population and Economic Growth, Technological Change and Economic Development, Inflation and Economic Development, Foreign Trade and Economic Development; Environment and Development.

Suggested Reading:

1. Thirlwall, A.P. (2003), "Growth and Development", Seven edition, Palgrave Macmillan, New York.
2. Tadoro, Michael & Stephen C Smith (2004), "Economics Development", Seventh edition, Oxford University Press, New Delhi.
3. Meire, G.M & Rauch (2000), "Leading Issues in Economic Development", Oxford University Press, New York.
4. Ghatak, S. (2003), "Introduction to Development Economics", Indian reprint 2007 Routledge, London and New York.
5. Rist, G. (2002), "The History of Development Academic Foundation", New Delhi
6. Ray, Debraj (2004), "Development Economics", Seventh Edition, Oxford University Press, New Delhi.

Course Code: ECO-304

INDUSTRIAL ECONOMICS

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit – 1

Industrial Economics: Scope, Frame work and problems; Concepts and organization of a firm-ownership, control and objective of the firm; Industrial Efficiency: Concepts and Measurement; Market Structure; Product differentiation; Economies of scale; Market structure and innovation; Sales Concentration.

Unit-II

Theories of industrial location - Weber and Sargent Florence, Factors affecting location; Product Pricing- Theories and evidence; Profitability- concept, Measurement and Theory of Profitability; Investment Decisions, Preparation of time- Profile of a Project Inventory Investment.

Unit-III

Growth of the firm: Theory of Growth of the firm; Motives and Measurement of Diversification, Vertical Integration and Merger; Advertising Strategy- Role of Advertising and Models of Advertising Behaviour.

Unit-IV

Industrial Productivity- Measurement and Total Trends Role and Performance of Cottage, Small scale and Large Scale Industries. Industrial Sickness in India; Role and Performance of Public Sector and Private Sector in India.

Suggested Readings:

1. Ahluwalia, I.I. (1985), Industrial Growth in India, Oxford University Press, New Delhi.
2. Barthwal, R.R. (1985), Industrial Economics, Wiley Eastern Ltd. New Delhi.
3. Cherunilam, F. (1994) Industrial Economics: Indian Perspective (3rd Edition), Himalaya Publishing House, Mumbai.
4. Desai, B. (1999) Industrial Economy in India (3rd Edition) Himalaya Publishing House Mumbai.
5. Divine, P.J. and R.M. Jones et Al (1976), An Introduction to Industrial Economics, George Allen and Unwin Ltd., London.
6. Government of India, Economic Survey (Annual)
7. Hay, D. and D.J. Morris (1976) Industrial Economics: Theory and Evidence University Press, New Delhi.
8. Kuchal S.C. (1980) Industrial Economy of India (5th Edition), Chaitanya Publishing House Allahabad.
9. Reserve Bank of India Report on currency and Finance (Annual).
10. Singh, A. and A.N. Sadhu (1988), Industrial Economics, Himalaya, Publishing House, Bombay.

Course code: ECO-306

ENTREPRENEURSHIP DEVELOPMENT

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

UNIT-I

Introduction: Significance of Entrepreneur in Economic Development; Economic, Social and Psychological need for Entrepreneurship; Characteristics, Qualities and pre-requisites of Entrepreneur;

UNIT-II

New Venture Development: Methods and Procedures to start and expand one's own business, Life Cycle, Environmental Factors affecting success of New Venture, Reasons for the Failure of New Business;

UNIT-III

Feasibility Study: Selection of Factory Location; Demand Analysis; Market Potential Measurement; Working Capital Requirements; Profit and Tax Planning; Economic, Technical, Financial and Managerial Feasibility of Project; Preparation of Feasibility Report;

UNIT-IV

Sources of Finance: Financial Institutions like SIDBI, NSIC, DIC, SSIB etc., Government support to New Enterprise, Role of Promotional Agencies in Entrepreneurship Development;

Suggested Readings:

1. Hisrich, Robert D., Michael Peters and Dean Shepherd, "*Entrepreneurship*", Tata McGraw Hill, New Delhi.
2. Barringer, Brace R., and Duane, R., Ireland, "*Entrepreneurship*", Prentice Hall, New Jersey, USA.
3. Lall, Madhurima, and ShikhaSahai, "*Entrepreneurship*", Excel Books, New Delhi.
4. Charantimath, Poornima, "*Entrepreneurship Development and Small Business Enterprises*", Pearson Education, New Delhi.

Course Code: ECO-308

PRINCIPLE OF ACCOUNTING

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Accounting: Nature, Scope, Functions and Limitations, Types of Accounting and Accounting System, Accounting Concepts and Conventions, Accounting Equation;

Unit-II

Accounting Process: Journal and Ledger, Trial Balance including Rectification of Errors, Subsidiary Books; Capital and Revenue, Classification of Income, Expenditure and Receipts;

Unit-III

Preparation of Final Accounts: Trading Account, Profit and Loss Account, Balance Sheet (with adjustments);

Unit-IV

Depreciation: Concept, Causes, Features, Objectives and Methods; Bank Reconciliation Statement; Accounting for Non-profit Organizations;

Suggested Readings:

1. Khan, M. Y. and Jain: Financial Management, 5th ed., Tata McGraw Hills Publishing Company Ltd., New Delhi
2. Goyal, V. K.: Financial Accounting, 3rd ed., Excel Books, 2009.
3. Hingorani, N. L. and Ramanathan, A. R.: Management Accounting, 5th ed., Sultan Chand & Sons, New Delhi, 1992.
4. Bhattacharya's. K. and Dearden J.: Accounting for Management - Text and Cases, Vikas Publishing House, New Delhi,
5. JawaharLal: Cost Accounting, Vikas Publishing House, New Delhi.
6. Gupta, R. L. and Ramaswamy: Advanced Accounting, Vol.1 & 2, Sultan Chand & Sons, New Delhi

Course Code: ECO-310

Research Report

Max. Marks: 100

All the students of 6th Semester are required to write a research report on topics approved by Departmental Committee and three copies of the same must be submitted by 31st March of the every academic year. The research report can be submitted with a late fee of ₹ 500/- with the permission of the chairperson till 30th April of every academic year. The Chairperson of the Department constitutes a committee of the faculty members for allotting topics and supervisors to all student. The same committee will do the internal evaluation of the dissertation before 10th May of every academic year.

Note: The dissertation will be submitted on prescribed format and will contain 80-120 pages including references and annexures etc.

Course Code: ECO-2101

ADVANCED MICRO ECONOMICS-1

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Introduction: Nature and Scope of Economics; positive versus normative analysis; methodology of economics: deductive method, inductive method; micro economics and macroeconomics; static and dynamic analysis; partial and general equilibrium;

Unit-II

Theory of Consumer behaviour: Demand function, law of demand, Elasticity of demand,; cardinal, ordinal and revealed preference theory, consumer surplus.

Unit-III

Laws of Production: Short run and long run; Economies and Diseconomies of scale; Concept and theories of cost, short and long run cost curves; Technical progress and Production function, Least-cost combination; Producer's Equilibrium.

Unit-IV

Price and output determination: Equilibrium of firm and industry under perfect competition, monopoly, monopolistic competition in short run and long run; Monopoly power: Bilateral monopoly, Discriminating monopoly.

Suggested Reading:

1. Pindyck Robert S Ruben Feld Daniel, Mehta "Microeconomics, Prentice Hall of India.
2. Mankiw Gregory N (1968) : Micro Economics ; 3rd Thomson
3. Koutsoyiannis A (1979): Modern Micro-Economics McMillan Press London.
4. Kreps, David M. (1990): A Course in Microeconomic Theory, Princeton University Press, Princeton.
5. Layard, P.R.G. and A.W. Walters (1978), Microeconomic Theory, McGraw Hill, New York.
6. Sen, A. (1999), Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
7. Varian, H. (2000), Microeconomic Analysis, W.W. Norton, New York.
8. Green H.A.G. (1971), Consumer Theory, Penguin, Harmondsworth.
9. Henderson, J.M. and R.E. Quandt (1980), Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi.

Course Code: ECO-2103

ADVANCED MACRO ECONOMICS-1

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

National Income: Concept and Measurement, Circular flow of income; Output and employment determination in classical theory; Say's law; Keynesian theory of employment, Effective demand.

Unit-II

Consumption function: Nature and determinants; Keynesian Psychological law of consumption, Absolute income hypothesis, Relative Income Hypothesis, Permanent Income hypothesis, life cycle income Hypothesis.

Unit-III

Investment: Types of Investment, Investment function, determination of Investment; Theories of investment, Marginal efficiency of capital; Investment Multiplier theory; Accelerator theory of Investment; Super Multiplier.

Unit-IV

Rate of interest and General Equilibrium: General Equilibrium in two sector system-real Market and Money Market (IS–LM curve); General Equilibrium: Interaction of IS-LM function, Changes in general Equilibrium; Effectiveness of Monetary and Fiscal Policies, Mundell and Fleming Modal.

Suggested Reading:

1. Shapiro E (2003): Macroeconomic Analysis, Galgotia Publications New Delhi.
2. Rana and Verma: Macroeconomic Analysis, Vishal publications.
3. Salvatore D L.2001, International Economics, Prentice Hall,
4. Soderston B O.1999, International Economics, Macmillan Press Ltd. London.
5. Paul, R Krugman & Maurice, 2000 (5th Ed) Addison, International Economics, Theory and Policy Obstfeld–Wesley Series in Economics.
6. Mankiw, N.G. and D. Romer (Eds.) (1991), New Keynesian Economics, (2Vols.), MIT Press, Cambridge.
7. Mankiw, N. Greogory (2000), Macroeconomics, Macmillan Worth Publishers 4th Edition
8. Dernburg, T.F.and D. M.Mc Dougall, Macroeconomics, McGraw Hill International Book Company.

Course Code: ECO-2105

PUBLIC FINANCE

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

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.

Unit-II

Types of Government Budgets: Revenue account; capital account and different concepts of budgetary deficits in Indian context in Indian context. Economic and Functional classification of Central Govt. Budgets

Unit-III

Public Revenue and Tax: Source of public revenue: Tax and non-tax source, 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 Incident of Indirect tax.

Unit-IV

Public expenditure and Public debts: Public expenditure: Classification and Effects; Cannon of Public expenditure, Wagner's law of increasing state activities; Peacock-Wiseman hypothesis; Public debts-external and internal; Central-State financial relations, Finance commissions (latest).

Suggested Readings:

1. Musgrave R & Musgrave, P.B "Public Finance in Theory and Practice", McGraw Hill International edition.
2. Houghton, R.W (1970). "Public Finance".
3. Govt. of India, Ministry of Finance, 9th 10th 11th 12th Finance Commission Report.
4. Govt. of India, Ministry of Finance, Sarkaria Commission Report on Centre State Financial Relations.
5. Chelliah, R.C (1996). "Sustainable Growth, Essay on Financial and Fiscal Reforms", Oxford. University Press.

Course Code: ECO-2107

DEVELOPMENT ECONOMICS

Time: 3 hrs

Max.Marks:100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Understanding Development: Traditional economic measures and new economic interpretation of Development, Sen's capabilities approach, Three core values of Development, Objectives of Development; Development Gap, Capitalism and Socialism development, Diverse Structure and Common Characteristics of Developing Countries.

Unit-II

Poverty, Inequality and Development: Measuring: Measurement of Development: Human Development indices (PQLI and HDI) and Basic needs approach, Poverty and Inequality, Poverty, Inequality and social welfare, Policy Options

Unit-III

Theories of Development: Adam Smith, David Ricardo; Karl Marx; Schumpeter and Rostow's stages of economic growth. Lewis's model and Nelson's Model;

Unit-IV

Development Policymaking and the Role of the state: The market mechanism and market failures, the role of State, Corruption, Nature and Rationale for development Planning, The Planning Process: some basic models, Plan failures and emergence of market economy, development political economy; Fiscal policy for development;

Suggested Readings:

1. Thirlwall, A.P. (2003), "Growth and Development", Seven edition, Palgrave Macmillan, New York.
2. Tadoro, Michael & Stephen C Smith (2004), "Economics Development", Seventh Edition, Oxford University Press, New Delhi.
3. Meire,G.M & Rauch (2000)," Leading Issues in Economic Development", Oxford University Press, New York.
4. Ghatak,S. (2003), " Introduction to Development Economics ", Indian reprint2007 Routledge, London and New York.
5. Rist, G.(2002), "The History of Development Academic Foundation", New Delhi
6. Ray, Debraj (2004), Development Economics", Seventh Edition, Oxford University Press, New Delhi.

Course Code: ECO-2109

MATHEMATICS FOR ECONOMIC ANALYSIS

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Matrices: Meaning, types, transpose adjoint, inverse of matrices. Determinants, Solution of a system of two and three equations by matrix method and Cramer Rule.

Unit-II

Simple, Partial and total differentiation with economic application, Homogenous function with properties, maxima and minima – one and two variables with economic application.

Unit-III

Linear Programming: Basic concepts, formulation and graphic method, simplex method, Duality and economic application of LPP.

Unit-IV

Differential equations and its application, Difference equation with its application constrained optimization problems (Maxima and Minima of more than two variables)

Suggested Readings:

1. Chiang, Alpha.C (1984). "Fundamental Method of Mathematics Economics", 3rd Edition
2. Yamane, Taro (1972). "Mathematical Analysis: Business and Economics application", 4th Edition.
3. Arrow, K.J. and M. Intrilligator (Eds.) (1982), Handbook of Mathematical Economics, Volumes I, II and III, North Holland, Amsterdam.
4. Henderson, J.M. and R.E. Quandt (1980), Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi.
5. Chung, J.W. (1993), Utility and Production: Theory and Applications Basil Blackwell, London.
6. Ferguson, C.E. (1976), Neo-Classical Theory of Production and Distribution.
7. Allen, R.G.D (1983). "Mathematical Analysis for Economists", Macmillan & co. Ltd.

Course Code: ECO-2102

ADVANCED MICRO ECONOMICS-II

Time: 3 hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Oligopoly: Non-collusive models: Cournot, Bertrand, kinked demand model; Collusive models: Joint profit maximization, market sharing cartels; Non-price competition, sharing of market by agreement on quotas and price leadership cartels.

Unit-II

Managerial theories of firm: Baumol's Sales maximization model (simple, static without advertisement model), Morris, Williamson, Average/ full cost pricing, Bain's limit pricing.

Unit-III

Neoclassical theory of factor pricing under comparative conditions, with monopolistic power in product market, monoposonistic power in factor market, bilateral monopoly in factor market, monopoly in factor market; Euler Theorem.

Unit-IV

General equilibrium analysis; Pareto optimally criterion and efficiency conditions, Market failure: Case of externality and public goods; Bergson's social welfare function; New welfare economics: compensation criterion; idea of theory of second best and Arrow's Impossibility theorem.

Suggested Reading:

1. Pindyck Robert S Ruben Feld Daniel, Mehta "Microeconomics, Prentice Hall of India
2. Mankiw Gregory N (1968): Micro Economics; 3rd Thomson
3. Koutsoyiannis A (1979): Modern Micro-Economics McMillan Press London.
4. Kreps, David M. (1990), A Course in Microeconomic Theory, Princeton University Press, Princeton.
5. Layard, P.R.G. and A.W. Walters (1978), Microeconomic Theory, McGraw Hill, New York.
6. Sen, A. (1999), Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
7. Varian, H. (2000), Microeconomic Analysis, W.W. Norton, New York.

Course code: ECO-2104

ADVANCED MACRO ECONOMICS-II

Time: 3 hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

The Demand for and supply of money: Classical Approach to Demand for Money: Quantity Theory Approach; Keynesian Approach; Post Keynesian approaches: Friedman, Baumol and Tobin; Determinants of money supply, High-powered Money, Money Multiplier.

Unit-II

Inflation: Demand side and supply side theories of inflation; Economic effects of Inflation; The effect of Inflation on the distribution of Income, Wealth, output, Employment and the Growth Rate;

Unit-III

Inflation and unemployment: The Phillips Curve, Stagflation; Trade off and Non Trade off. Adaptive Expectation and Rational Expectation, Keynesianism Vs Monetarism.

Unit-IV

Trade Cycles: Meaning, characteristics and phases; Models of Samuelson, Hicks and Kaldor; Macro distribution theory: Ricardian; Marx; Kalecki and Kaldor.

Suggested Readings:

1. Ackley, G (1978), Macroeconomics: Theory and Policy, Macmillan, New York.
2. Banson, W.A. (1989), Macroeconomic Theory and Policy, (3rd Edition), Harper and Row, New York.
3. Dorn Busch, R. and F. Stanley (1997): Macroeconomics, McGraw Hill, Inc. New York.
4. 5. Jha, R. (1991) Contemporary Macro Economics Theory and Policy, Wiley Eastern Ltd., New Delhi.
5. Shapiro, E. (1996), Macroeconomic Analysis, Galgotia Publication, New Delhi.
6. Survey, M.J.C. (Ed.) (1976), Macroeconomic Themes,
7. Bo and Reed Geoffrey (1994) International Economics, Macmillan Press Ltd.
8. Peterson, W.C. (1978), Income Employment and Economic Growth, Norton, New York.
9. Sheffrin, Steven M. (1996), Rational Expectations, 2nd edition, Cambridge University Press.

Course Code: ECO-2106

COMPUTER APPLICATIONS IN ECONOMIC ANALYSIS

Time: 3 hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-1

Computer Fundamentals: Hardware, Software and Types of Software; Operating System-Definitions & Functions; Computer Languages; Machine, Assemble and High-Level Languages; Computer Transaction: Assemblers, Compilers and Interpreters.

Unit II

Business Data Processing Concepts; Data and Information: Meaning, Types, Data Storage Hierarchy; Database Concepts; Data base Management System, Data Base Structuring Techniques, Advantages and Limitations of Database System; Transfer of Data among different Software.

Unit III

Statistical Processing Techniques and Methods: Introduction to SPSS, Summarizing and analysis of data; Descriptive Statistics; Comparison of means; Correlation and Regressing analysis; Estimation of Growth Rates;

Unit-IV

An overview of Techniques used Trends forecasting; testing the significance of parameters; Tests for multicollinearity, hertoscedasticity and autocorrelation with computer.

Suggested Readings:

1. Sinha, P.K. (1992), Computer Fundamental, BPB Publications, New Delhi.
2. Marketing Research by Kinnear and Taylor, McGrawhill.
3. Gupta, S.C. and V.K. Kapoor (1983), Fundamentals of Applied Statistics, S. Chand and Sons, New Delhi.
4. Koutsoyanis, A, Introduction to Econometrics,
5. Intrilligator, M.D. (1978), Econometric Models, Techniques and Applications, Prentice Hall,
6. Englewood Cliffs, N.J.Greenstein, Marilyn and Fein Man, M. Todd, Electronic Commerce: Security, Risk Management, and Control, Tata McGraw Hill, New Delhi.
7. Rajaraman, V. (1996), Fundamentals of Computers, Prentice Hall of India, New Delhi.
8. Lipschultz, M.M. and S. Lipschultz (1982), Theory and Problems of Data Processing, Schum's Outline Series, McGraw Hill, New York.
9. David Whitely, E-Commerce: Strategy, Technologies and Applications, Tata McGraw Hill, New Delhi.

Course Code: ECO-2108

INTERNATIONAL ECONOMICS-1

Time: 3 hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Importance of Trade and Trade theories: Importance of study of International Economics, Inter-regional and Inter-national trade, Theory of absolute advantage, comparative advantage & Opportunity Costs, Mills theory of reciprocal demand; Heckscher-Ohlin theory of Trade.

Unit-II

Factor intensity reversals; Rybczynski theorems; extension of H-O theory: Dynamic factors in International trade; technical progress and international trade; new theories of international trade; Kravis theory of availability; Linder theory of the volume of trade and demand pattern.

Unit-III

Gains from Trade: Measurement and distribution; factor determining gain from trade; static and dynamic gains from trade; Trade as an engine of growth; Terms of Trade: types and determination of Terms of Trade; factors affecting terms of trade; Terms of Trade and economic development: Secular deterioration hypothesis,

Unit-IV

Tariff and Quota: Meaning and Types of tariffs; effects of tariff under Partial and general Equilibrium, effects of tariff on income distribution; Stolper-Samulson theorem; Tariff and non-tariff barriers; quotas: meaning and effects of quotas; Trade and Environment;

Suggested Readings:

1. Kindlberger, C P, 1991, International Economics, R D Irwin, Homewood, 8th Ed.
2. Salvator, D L1996, Theory and Problems of International Economics, Prentice Hall Upper Saddle River, New York.
3. Salvatore D L.2001, International Economics, Prentice Hall, Upper Saddle River, New York
4. Soderston B O.1999, International Economics, Macmillan Press Ltd. London.
5. Paul, R Krugman & Maurice, 2000 (5th Ed) Addison, International Economics, Theory and Policy Obstfeld–Wesley Series in Economics.
6. Ellsworth P T and J Clark Leith, 1971, The International Economy, Collier Macmillan Ltd. London
7. Oded Shenkar and Yadong Luo: International Business; Wiley student Edition, John Wiley & Sons.

Course code: ECO-2110

STATISTICS FOR ECONOMIC ANALYSIS

Time: 3 hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Data and Sampling: Data: Types, Sources, techniques of data collection, Sampling versus Census, sampling techniques.

Unit-II

Correlation and Regression: Correlation: Meaning, type, Utility, Coefficient of correlation: Karl Pearson and Rank correlation; Regression Analysis: Meaning, types, Utility, importance, estimation of regression line in bivariate distribution, least square method.

Unit-III

Probability and Distribution: Probability: Basic Concepts, types, importance, Rule of probability (Addition and Multiplication); Theoretical distribution: Binomial, Poisson and Normal Distribution with their properties.

Unit-IV

Tests of Hypothesis: Student's t-tests, Z-tests, chi-square test, F-test, and analysis of variance (ANOVA).

Suggested Readings:

1. Gupta S.C and V.K Kapoor (1993). Fundamentals of Applied Statistics", S.chand and Sons, New Delhi.
2. S.C Aggrwal," Basic Statistics".
3. Spiegel,M.R (1992). Theory and Problems of Statistics", 3rd Edition, Mc Graw Hill Books London.
4. Croxton, F.E & D.J Cowden and S.K Klein (1973)."Applied General Statistics", Prentice Hall, New Delhi.

Course code: ECO-2201

INTERNATIONAL ECONOMICS II

Time: 3 hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

International Economics Integration: Meaning, Type and Benefit; Theory of custom union: Partial and General Equilibrium theory of custom union; Statics and Dynamic effect of custom union; Dumping: Meaning, Type, objectives and Price Determination under Dumping.

Unit-II

Balance of Payment: Meaning and component; Approaches to correct Disequilibrium in balance of payment; Internal and external balance with fixed exchange rate; Monetary approach of balance of payment.

Unit-III

Foreign Trade Multiplier: Meaning and Working of Foreign Trade Multiplier; Foreign Repercussion or back wash effect; Foreign Ex-change Rate: Meaning, Type and Theories of Foreign Exchange Rates-Mint Par Parity Theory; The Purchasing Power Parity Theory; The Balance of Payment Theory: floating vs flexible.

Unit-IV

International Monetary System (IMF): Past, Present and Future; Asian Development Bank, MIGA, World Bank; International Liquidity;

Suggested Readings:

- 1 Kindlberger, C P, 1991, International Economics, R D Irwin, Homewood 8th Ed.
- 2 Salvator, D L1996, Theory and Problems of International Economics, Prentice Hall Upper Saddle Rover, New York.
- 3 Salvatore D L.2001, International Economics, Prentice Hall, Upper Saddle Rover, New York
- 4 Soderston B O.1999, International Economics, Macmillan Press Ltd. London.
- 5 Paul, R Krugman & Maurice, 2000 (5th Ed) Addison, International Economics, Theory and Policy Obstfeld–Wesley Series in Economics.
- 6 Ellsworth P T and J Clark Leith, 1971,The International Economy, Collier Macmillan Ltd. London
- 7 Oded Shenkar and Yadong Luo: International Bussiness- Wiley student Edition, John Wiley & Sons.

Course code: ECO-2203

ENVIRONMENTAL ECONOMICS

Time: 3 hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Pareto optimality and perfect competition; External effects in production and consumption; Market failure in case of environmental goods –incomplete markets ,externalities, non-exclusion; Non –Rivalry ;non convexity and asymmetric information.

Unit-II

Economic incentives for environmental protection; Price rationing –pollution charges, ambient charges, subsidies; liability rules, non-compliance fees, deposit refund system, performance bonds; quantity rationing-market pollution permits;

Unit-III

Natural resources: types, classification and scarcity; Economics of sustainable Development –the Solow/Hartwick approach to sustainability; Environmental accounting; Global efforts for environmental protection.

Unit-IV

Environment policy framework in India: Problems of command and control Regime; Environmental legislation and implementation; Development and degradation; poverty, population and political economy; Water pollution and existing pollution control mechanism.

Suggested Readings:

1. Shankar U. (2001): Environmental Economics, Oxford University press, New Delhi.
2. Hanley, N, J.F Shogern and B. White (1997) Environmental Economics in theory and practice, Macmillan Publications.
3. Hussen A.M (1999): Principals of Environmental Economics, Routledge London.
4. Hanley, N., J.F. Shogern and B. White (1997), Environmental Economics in Theory and Practice, Macmillan.
5. Cropper, Maureen (1999), Valuing Environmental Benefits, Edward Elgar.
6. James, A.J., M. N. Murty and Smita Misra (1999), Economics of Water Pollution– The Indian Experience, Oxford University Press, New Delhi.
7. Chary, S.N. and Vyasulu, Vinod (2000), Environmental Management - an Indian Perspective, Macmillan, New Delhi.
8. Jeroen. C.J.M. van den Berg (1999), Handbook of Environmental and Resource Economics, Edward Elgar Publishing Ltd., U.K.
9. Pearce, D.W. and R. Turner (1991), Economics of Natural Resource Use and Environment, John Hopkins University Press, Baltimore

Course code: ECO-2205

ECONOMETRICS-I

Time: 3 hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Econometrics: Nature, meaning, scope and Methodology; Types of econometrics models; OLS: Assumptions, Estimation and Properties; Multiple Regression with two explanatory variables; General linear Regression models.

Unit-II

Statistical Tests of significance of the estimates: Tests of goodness of fit with R square; adjusted R square; Tests of significance of the parameter estimates; confidence interval of the parameters; testing the overall significance of a regression.

Unit-III

Econometric Problems: Nature, Consequences, detection and remedial measure of the problems of multicollinearity, heteroscedasticity and autocorrelation.

Unit-IV

Test Procedures and Model Selection:

Tests of specification and mis-specification, measurement error, Encompassing models, and criteria for model selection; Time Series Analysis: concepts and components; Determination of Linear trend and seasonal indices.

Suggested Readings:

- 1 Gujarati Damodar (2002). "Basic Econometrics", 4th Edition, Mc Graw Hill.
- 2 Gream Wiilliam (2000). "Econometrics Analysis", 5th Edition, Prentice Hall.
- 3 Goldberder,A.S (1998). "Introductory Econometrics", Harvard University Press, Cambridge.
- 4 Patterson Kerry.P (2000). "An Introduction to applied Econometrics", Vol.1, Oxford U.K, Blackwell Publishing.
5. Amemiya, T. (1985), Advanced Econometrics, Harvard university Press, Cambridge, Mass.
6. Intrilligator, M.D. (1978), Econometric Methods, Techniques and Applications, Prentice Hall Englewood Cliffs, New Jersey.
7. Johnson J. (1991), Econometric Methods, MCGraw Hall Book Co. London
8. Kmenta J. (1998), Elements of Econometrics, University of Michigan Press, NewYork
9. Koutsoyiannis, A. (1977), Theory of Econometrics, The Macmillan Press Ltd. London
- 10 Maddala G.S.(Ed) (1993), Econometric Methods and application, Aldershot U.K.
- 11 Theil H. (1981), Introduction to Econometrics, Prentice Hall of India, New Delhi

Course Code: ECO-2207

INDIAN ECONOMY

Time: 3 hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Indian Economy Since Independence: National income and per capita income trends and sectoral composition and changes therein, Planning from central to indicative, Achievements and Failures of Five years plans, New Economic Policy; Broad features, Public expenditure in India, Human Resource Development in India.

Unit-II

Agriculture and Industrial Development: Land Reforms, Green Revolution, Subsidies, Agriculture Prices and PDS, Impact of Public expenditure on Agriculture Growth, Industry trends in composition and Growth, Service Sector in Indian Economy.

Unit-III

Indian Economic Problems: Labor force growth and occupational pattern, Employment and unemployment in India, Trends in Poverty in India, Employment Generation and Poverty alleviation schemes, New Rural Employment Guarantee Scheme and Income Distribution in India, Inflation, Population and Economic development in India.

Unit: IV

Globalization and Indian Economy: India's foreign trade value, composition and direction, Trade policy of Government of India, Foreign Capital and aid, MNCs in India, India's Balance of Payments, WTO and India, India's exchange Rate Policy, Foreign exchange reserves and capital Account Convertibility.

Suggested Readings:

1. Dutt Rudder and K.P.M Sunderam (2001): Indian Economy, S Chand & Co.Ltd.New Delhi.
2. Mishra S.K & V.K Puri (2001) "Indian Economy and -Its development experience", Himalaya Publishing House.
3. KapilaUma: Indian Economy: Policies and Performances, Academic Foundation
4. Bardhan, P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi.
5. Jalan, B. (1996), India's Economic Policy- Preparing for the Twenty First Century, Viking, New Delhi.

Course Code: ECO-2209

RESEARCH METHODOLOGY

Time: 3 Hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Social Science Research: Nature and scope; objectivity; Formulation of a research problem and research design. Sampling design; sampling fundamental; Data collection: methods of data collection, Data base of Indian Economy: Sources, Nature, and their limitations.

Unit-II

Sampling: sampling design; sampling fundamentals; research; survey; investigation and experiments; theory; model; concept; constructs and variables.

Unit-III

Research design: Formulatory, descriptive and experimental or explanatory studies; Index numbers: Base shifting, Slicing and deflating;

Unit-IV

Measurement and scaling techniques; reliability of a scale, validation of a scale; attitude scaling; Thurstone's scale, Likert's scale, cumulative scaling;

Suggested Readings:

1. Malhotra, Naresh K.: Marketing Research an Applied Orientation, 5th edition, Pearson.
2. Cooper and Schindler: Business Research Methods, 8th edition, Tata McGraw Hill.
3. Boyd & Westfall: Marketing Research, Prentice Hall.
4. Kothari, C. R.: Research Methodology, New Age International Publishers.
5. Shekharan & Uma: Business Research Methods-A Skill- Building Approach, 7th ed., New York, John Willy, 2002.
6. Creswell, John W.: Research Design-Qualitative & Quantitative Methods, New York, John Willy, 2002.

Course Code: ECO-2202

ECONOMETRICS-II

Time: 3 hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Auto-regressive and distributed lag models: Koyak's model, partial adjustment model, adaptive expectations ; Instrumental variable; Almon approach to distributed lag models; Error correlation mechanism, Causality test, Granger test and Sim's test.

Unit-II

The simultaneous equation: The simultaneous equation bias and inconsistency of OLS estimators; solution of the simultaneous equation-ILS (Indirect least squares); two stage least square (2SLS); limited information maximum likelihood (LIML); Model of simultaneous-structural Model, reduced form Model and recursive Model; The identification problem; rule of identification-order and rank condition.

Unit-III

Dummy Variables techniques: Testing structural stability of regression model comparing two regression model, interaction effects, and seasonal analysis, piecewise linear regression, use of dummy variables, regression with dummy dependent variables.

Unit-IV

Estimation and Interpretation of Function: Production function- Introduction to Cobb Douglas, CES, VES, Translog, Estimation (scales to return, elasticities), interpretation, and their problems; Demand and cost function.

Suggested Readings:

1. Gujarati Damodar (2002). "Basic Econometrics", 4th Edition, Mc Graw Hill
2. Gream Wiilliam (2000). "Econometrics Analysis", 5th Edition, Prentice Hall.
3. Goldberder, A.S (1998). "Introductory Econometrics", Harvard University Press, Cambridge.
4. Patterrson Kerry.P (2000). "An Introduction to applied Econometrics", Vol.1, Oxford U.K, Blackwell Publishing.
5. Amemiya, T. (1985), Advanced Econometrics, Harvard university Press, Cambridge, Mass.
6. Intrilligator, M.D. (1978), Econometric Methods, Techniques and Applications, Prentice Hall Englewood Cliffs, New Jersey.
7. Johnson J. (1991), Econometric Methods, MCGraw Hall Book Co. London
8. Kmenta J. (1998), Elements of Econometrics, University of Michigan Press, New York
9. Koutsoyiannis, A. (1977), Theory of Econometrics, The Macmillan Press Ltd. London
10. Maddala G.S.(Ed) (1993), Econometric Methods and application, Aldershot U.K.
11. Theil H. (1981), Introduction to Econometrics, Prentice Hall of India, New Delhi

Course Code: ECO-2204

AGRICULTURAL ECONOMICS

Time: 3 hrs.

Max. Marks: 100

External: 80

Internal: 20

Note: There will be 9 questions in all. The first question is compulsory consisting of 8 short answer type questions (30-35 words) of 2 marks each, set from the whole syllabus. The remaining 8 questions shall be from the four units, i.e., 2 questions from each of the four units of 16 marks each. The examinees have to attempt one question from each unit besides the compulsory question.

Unit-I

Introduction to Agriculture: Definition, scope and nature of agriculture economics; Need for a separate study of agriculture economics; Agriculture linkage with other sector; Role of agriculture in economic development Agriculture Markets: Aim, types, functions of agriculture markets; Criteria for judging efficiency of agriculture market system.

Unit-II

Transformation of Agriculture: Schultz thesis of Transformation of Traditional Agriculture and Green Revolution in Indian Agriculture, Land Reforms- Meaning, Ownership v/s tenancy cultivation, Objectives of Land reforms.

Unit-III

Agriculture Credit & Agriculture Model: Importance of credit; Need of government intervention; Agriculture credit system in India, Lewis Model of Economic Development, Renis-Fei-Model.

Unit-IV

Agriculture price policy: Need, objective and instrument of agriculture price policy, World Trade Organization; WTO and India's Trade in agricultural commodities, Export potentials of agricultural commodities, Measures taken by India to increase exports of agricultural commodities; WTO and India's imports of agricultural commodities.

Suggested Readings

1. Soni R.N (2005). (Leading Issue in Agriculture Economics",
2. Vaidyanathan,A. (1994). "Performance of Indian Agriculture Since Independence", Oxford University Press.
3. Heady,E.O (1964). "Economics of Agriculture Production and Resources", Prentice Hall of India Pvt. Ltd., New Delhi.
4. Black, J.D. (1945), Introduction to Economics of Agriculture. MacMillan, New York.
5. Bruce L., Gardener and Gordon C., Rausser (Eds.), Handbook of Agricultural Economics, Vol.1A, Agricultural Production, Amersterdam, Elsevier Science B.V.Oxford & IBH, New Delhi.
6. Drummond H. Evan and Goodwin W. John (2006), Agricultural Economics, Pearson Education, New Delhi.
7. Goodwin, H.G. (1977), Economics of Agriculture, Reston Publishing Co.
8. Gulati, A. and T. Kelly (1999), Trade Liberalisation and Indian Agriculture, Oxford University Press, New Delhi.
9. Halcrow, H.G.(1981), Economics of Agriculture, McGraw Hill International Book
10. Meier, G.M. (1995), Leading Issues in Economic Development, Oxford University,
11. Press, New Delhi.

Course Code: ECO-2212

Dissertation

Max. Marks: 300

(External: 200 and Internal: 100)

All the students of M A Economics (Honours) 10th Semester are required to submit a dissertation on topics approved by Departmental Committee and three copies of the same will be submitted by 31st March of the every academic year. After 31st March the dissertation can be submitted with a late fee of ₹ 1000/- with the permission of Chairperson by 30th April of every academic year. The Chairperson of the Department constitutes a committee of the faculty members for allotting supervisors as well as topics to all students. The same committee will do the internal evaluation of the dissertation before 10th May of every academic year.

Note: The dissertation will be submitted on prescribed format and will contain 100-180 pages including references and annexures etc.