SYLLABUS
M.A. (ECONOMICS)
PART-I
(SEMESTER SYSTEM)
Sessions: 2021-22 & 2022-23

SCHEME OF STUDIES

SEMESTER-1
Eco.-101: Micro-Economic Analysis

Eco.-102: Macro-Economic Analysis

Eco.-103: Basic Quantitative Methods

Eco. - 104: Economics of Growth and Development

Ecol.-105: Any one of the following papers:

    (1)   Economics of Agriculture

    (ii)   Economics of Industry

    (iii)   Economics of Labour

    (iv)   History of Economic Thought

    (v)   Economics of Demography

    (vi)   Economics of Gender and Development

    (Vii) Economic History of U.K. and Japan

SEMESTER -II
Eco.-201: Micro-Economic Analysis

Eco.-202: Macro-Economic Analysis

Eco.-203: Basic Quantitative Methods

Eco.-204: Economics of Growth and Development

Eco.-205: Any one of the following papers (Same as selected in Semester-1):

    (i) Economics of Agriculture

    (ii) Economics of Industry

    (iii) Economics of Labour

    (iv) History of Economic Thought

    (v) Economics of Demography

    (vi) Economics of Gender and Development

    (vii) Economic History of India and U.S.S.R.

The Break-up of 25 Marks for Internal Assessment (Theory papers), *for Regular Students*, is as below:

1.	Two Mid-Semester Tests	10 Marks
2.	Class Attendance	05 Marks
3.	Project Work/Assignment Seminar/Field Work etc.	10 Marks

Total Mark   25 Marks

13.07.21

Professor & Head,
Department of Economics,
Punjabi University
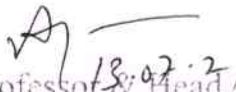
Economics Department
Punjabi University, Patiala

M.A. (Economics) Part-I: Credit Scheme
Session 2021-22 & 2022-23

(This Scheme is for Regular Students only)

Sem.	Paper Title	Hours				Total Credit
		Lect.	Tut.	Pract.	Seminar/ Consult.	
I	Eco.-101: Micro-Economic Analysis	4	1	-	1	5
I	Eco.-102: Macro-Economic Analysis	4	1	-	1	5
I	Eco.-103: Basic Quantitative Methods	4	1	-	1	5
I	Eco.-104: Economics of Growth and Development	4	1	-	1	5
I	**Eco-105: Any one of the following papers**					
	a) Economics of Agriculture	4	1	-	1	5
	b) Economics of Industry	4	1	-	1	5
	c) Economics of Labour	4	1	-	1	5
	d) History of Economic Thought	4	1	-	1	5
	e) Economics of Demography	4	1	-	1	5
	f) Economics of Gender and Development	4	1	-	1	5
	g) Economic History of U.K. and Japan	4	1	-	1	5
II	Eco.-201: Micro-Economic Analysis	4	1	-	1	5
II	Eco.-202: Macro-Economic Analysis	4	1	-	1	5
II	Eco.-203: Basic Quantitative Methods	4	1	-	1	5
II	Eco.-204: Economics of Growth and Development	4	1	-	1	5
II	**Ecol-205: Any one of the following papers:**					
	a) Economics of Agriculture	4	1	-	1	5
	b) Economics of Industry	4	1	-	1	5
	c) Economics of Labour	4	1	-	1	5
	d) History of Economic Thought	4	1	-	1	5
	e) Economics of Demography	4	1	-	1	5
	f) Economics of Gender and Development	4	1	-	1	5
	g) Economic History of India and U.S.S.R	4	1	-	1	5

Open Elective Paper: Principles of Economics
(Qualifying paper for other students in second semester)

The subjects which the student can opt from MOOC will be notified by the department semester wise time to time.

Professor & Head,
Department of Economics,
Punjabi University P...

M.A. (Economics,) PART-I, (Sem I, II) for Sessions: 2021-22 & 2022-23
For Regular/ Distance Education/Private Students

3

ECO-101: MICRO ECONOMIC ANALYSIS

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Introduction and Basic Concepts: Basic economic problems-choice and scarcity; deductive and inductive methods of analysis; equilibrium: existence, stability and uniqueness. Partial and general equilibrium; static and dynamic equilibrium. Role and significance of assumptions in economic analysis; economic models.

Demand Analysis : Indifference curve analysis : price, income and substitution effects; Slutsky theorem, compensated demand curve; Revealed preference theorem; Revision of demand theory by Hicks; Recent developments in demand analysis, Linear expenditure systems; constant elasticity demand function; Dynamic versions of demand principle and Houthaker and Taylor's Dynamic Model.

SECTION-B

Theory of Production and Costs: Production Function : short period and long period; law of variable proportions and returns to scale; Isoquants-Least cost combination of inputs; Returns to factors; Economies of Scale; Elasticity of substitution; Technical progress and production function; Cobb- Douglas, CES and translog production functions and their properties.

Theories of Costs and Firm's Equilibrium: Traditional and modern theories of costs; Derivation of cost functions from production functions. Marginal analysis as an approach to firm's equilibrium; short-run and long-run equilibrium of the firm and industry under perfect and imperfect competition. Price and output determination under perfect competition, under monopoly and under discriminating monopoly.

BASIC READING LIST

1.   Kreps, David M.: Course in Micro-economic Theory, Princeton University Press Princeton, 1990.
2.   Koutsoyiannis, A. :Modern Micro-economics (2nd Edition), Macmill Press, London, 1979.
3.   Layard, P.R. and:Micro-economics Theory, McGraw Hill, New York, 1978. A.W.Walters
4.   Sen, A. :Microeconomics: Theory & Applications, Oxford University Press, New Delhi, 1999.
5.   Stigler, G.:Theory of Price (4th Edition), Prentice Hall of India, New Delhi, 1996.
6.   Varian, H.:Micro-economic Analysis, W.W.Norton, New York, 2000.

ADDITIONAL READING LIST

1.   Baumol, W.J: Economic Theory and Operations Analysis, Prentice Hall   of India, New   Delhi, 1982.
2.   Hirshleifer, J.and: Price, Theory and Applications, Prentice Hall India, New A. Glazer Delhi, 1997.
3.   Green, H.A.G. : Consumer Theory: Penguin, Harmondsworth 1971.
4.   Henderson, J.M&: Micro-economic Theory: A Mathematical Approach, R.E.Quandt McGrawHill, New Delhi, 1980.
5.   Da Costa, G.C : Production, Prices and Distribution. Tata McGraw Hill,   New Delhi, 1980.
6.   Health fields & Wibe : An Introduction to Cost and Production Functions, Macmillan, London, 1987.

13.07.21
Professor & Head,
Department of Economics.

ECO-102 MACRO ECONOMIC ANALYSIS

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students Maximum Marks: 100 Internal Assessment: 25 Marks External Assessment: 75 Marks	Time Allowed: 3 Hours **Pass Marks: 35%** Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

National Income and Theories of Full Employment : Circular flow of income in two-three and four -sector economy; different forms of national income accounting-social accounting ; input-output, flow of fund accounting and balance of payments and balance of payments accounting; Classical and Keynesian theories of full employment.

Theories of Consumption and Investment: Keynes' psychological law of consumption and empirical evidence; income-consumption relationship-relative income, life cycle, permanent income hypothesis and consumption under uncertainty; Marginal efficiency of capital and investment; accelerator and investment behaviour; neoclassical theory of investment.
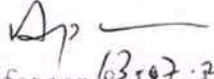
SECTION-B

Money, Interest and Income: Neo-classical and Keynesian views on interest: IS-LM Model and extensions of IS-LM models with labour market and flexible prices; Post-Keynesian approaches to demand for money; Patinkin and the real balance effect; approaches of Baumol and Tobin; Friedman and modern quantity theory.

Theory of Inflation: Classical and monetarist approaches to inflation; structuralist theory of inflation; Philips curve analysis-short-run and long-run Philips curve; Samuelson and Solow-the natural rate of unemployment hypothesis. Tobin's modified Philips curve.

Theory of Business Cycles: Samuelson, Hicks and Goodwin's Model.

RECOMMENDED READINGS

1. Ackley, G. : Macro-economics: Theory and policy, Macmillan, New York, 1978.
2. Blackhouse, R.and A. Salansi : Macro-Economics and the Real World (eds.) (Two volumes), OUP, London, 2000
3. Branson, W.A and Row, New : Macro-economic Theory and Policy (3rd Edition), Harper York, 1989.
4. Dornbusch, R.F. : Macro-economics (Seventh Stanley and Richard edition), McGraw-Hill Startz: Publishing Company Ltd., New Delhi.2000.
5. Hall, R, E and J.B Taylor : Macro-economics. W.W. Norton, New York, 1986.
6. Jha, R. : Contemporary Macro-economics: Theory & Policy. Willey E Eastern New Delhi, 1991.
7. Shapiro, E. : Macro Economics Analysis, Golgotia Publications, New Delhi, 1996.
8. Surrey, M.J.C (ed.) : Macro Economics Themes. Oxford University Press, Oxford, 1976.

Professor & Head,
Department of Economics.
Punjabi University Patiala

ECO-103: BASIC QUANTITATIVE METHODS

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students,* the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION -A

Calculus: Concept of differentiation. Differentiation of function of one variable including logarithmic and exponential functions. Successive and partial derivatives. Euler's theorem. Elementary Concepts of Integration: Integration of function of one variable. Applications of Revenue and cost function, Analysis of Consumer's surplus and Producer's Surplus

Applications of Derivatives in Economics: Elasticity of demand, Average and marginal functions. Problems of optimization (maxima /minima) in case of one variable.

SECTION-B

Matrices: Definition and types. Elementary operations. Rank of a matrix. Matrix inverse by adjoint and Linear Equation method. Concept of determinants and its properties. Solution of simultaneous Equations by Cramer's Rule and Matrix Inverse methods and proving problems. Application of simultaneous equations in Economics.
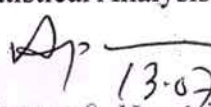
Arithmetic and Geometric Progression: Elementary idea and their economic applications.

RECOMMENDED READINGS

1. Alpha c. Chiang : Fundamental Methods of Mathematical Economics, Ch.4-12.
2. J.P. Lewis : An Introduction to Mathematics for Students of Economics. Ch. 7-24.
3. D.S. Huang : An Introduction to the Use of Mathematics.
4. F.E.Croxton & D.J.Cowden : Applied General Statistics
5. S.P. Gupta : Statistical Methods, S. Chand and Co; New Delhi.
6. Sancheti & Kapoor : Business Mathematics, S. Chand and Co., New Delhi.
7. Suranjan Saha : Business Mathematics and Statistics.
8. Joshi and Aggarwal : Mathematics for Students of Economics.

SUPPLEMENTARY READINGS

1. P.H. Daus and : Algebra with Application to W.M.Wryburn. Business and Economics.
2. P.G.Hoel : Elementary Statistics.
3. Ya-Lun Chow : Statistical Analysis (2nd ed.), pp, 78-114.

Professor & Head,
13-07-2

ECO-104: ECONOMICS OF GROWTH AND DEVELOPMENT

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Growth, Development and Under-development: Measurement of development; per capita income, purchasing power parity income, PQLI, HDI; Problems of international comparison. Economic development and structural change: theories of Kuznets and Chenery.

Economic Development and Institutions: Market and state. Theories of institutional change and economic development: Schumpeter, North. Dependency theory of development: Paul Baran, Andre Gunder Frank and Samir Amin.

SECTION-B

Resources for Development: Domestic and external. Population and development: theory of demographic transition. Theory of big push: Rosenstein-Rodan; Murphy, Shleifer and Vishny.
Theory of Growth: Harold -Domar, Kaldor and Mirrlees. Neoclassical theory of growth: Meade, Solow, Uzawa's Two Sector Model.

RECOMMENDED READINGS

1.	Michael P.Todaro	: Economic Development in the Third World.
2.	Debraj Ray	: Development Economics.
3.	S.S.M.Desai and	: Economic Planning and Nirmal D. Bhalerao Policy. .
4.	Paul M. Sweezy	: The Theory of Capitalist Development
5.	Amartya Sen	: Growth Economics.
6.	Robert J. Barro and Xavier Sala-im-Martin.	: Economic Growth.
7.	Deepak Lal	: The Poverty of Development Economics.
8.	Gerald M. Meier	: Leading Issues in Economic Development.
9.	A.P.Thirlival	: Growth and Development.
10.	Satu Kahkonen and	: A New Institutional Approach to economic Manur Olson Development.
11.	Amartya Sen.	: Development as Freedom.
12.	Chenery, H. and T.N.Srinivasan	Handbook of Development : Economics Vol, 1, 2 and 3.
13.	Ghatak, S.	: An Introduction to Development Economics.
14.	W.A.Lewis	: The Theory of Economic Growth.
15.	J.A.Schumpeter	: The Theory of Economic Development.

Any one of the following:

Professor & Head,
Department of Economics,
Punjabi University, Patiala

Eco-105 (i): ECONOMICS OF AGRICULTURE

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS FOR PAPER SETTERS

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Meaning and Scope of Economics of Agriculture, Factors affecting Agricultural Development: technological; institutional and general. Interdependence between Agriculture and Industry. Approaches to Agricultural Development: Lewis; Ranis-Fei; Schultz; Mellor and Boserup.

SECTION-B

Systems of farming: Peasant farming; Capitalistic farming; State farming; Collective farming and Co-operative farming. Land reforms: the theoretical issues - meaning and its various forms; ownership vs. tenancy cultivation; large farms vs. small farms; causes for persistence of small farms in developing economies; objectives of land reforms and role of land reforms in economic development.

Concept of Production Function: input-output; input-input and product-product relationship in farm production. Risk and uncertainty in agriculture: difference between risk and uncertainty, types of uncertainty in agriculture and measures for meeting risk and uncertainty in agriculture. Instability of agriculture: types and measures for reducing instability of agriculture.

RECOMMENDED READINGS

1. H.C.Taylor : Outlines of Agricultural Economics. Macmillan, New York.
2. D.O. Black :Introduction of Economics of Agriculture, Macmillan, New York.
3. Charan.D. Wadhva :Some problems of India's Economic Policy, Tata McGraw-Hill, Bombay.
4. Framcis R. Frankel :India's Green Revolution: Economic Gains and Political Costs, Oxford University Press , Bomaby.
5. T.W.Schultz :Transforming Traditional Agriculture, Layall Book Depot, Ludhiana.
6. J.W.Mellor :The Economics of Agriculture Development, Vora and Co., Mumbai.
7. E.Boserup :The Conditions of Agricultural Growth,Alne Publishing Company, Chicago.
8. W.A.Lewis :Economic Development with Unlimited Supplies of Labour, The Manchester School of Economic and Social Studies.
9. R. Ranis& C.H.Fei :A Theory of Economic Development, American Economic Review.
10. R.N.Soni :Leading Issues in Agricultural Economics, Sohan Lal Nagin Chand and Co., Jalandhar.
11. Sadhu and Singh :Fundamentals of Agricultural Economics. Himalaya Publishing House, Mumbai.

SUPPLEMENTARY READINGS

1. Economic and Political Weekly. Sameeksha Trust, Mumbai
2. Indian Journal of Agricultural Economics, Indian Society of Agricultural Economics, Mumbai.
3. The Indian Journal of Labour Economics. The Indian Society of Labour Economics, New Delhi

ECO-105 (ii): ECONOMICS OF INDUSTRY

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

For Private Students
Maximum Marks: 100

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION -A

Introduction: Scope and Elements of Industrial Economics; Definitions and Concepts: Plant, firm, industry, market, market structure, market power, market conduct and market performance, Passive and active behavior of firm. Forms of Market Structure. Structure-Conduct-Performance Paradigm; Market structure and profitability.

Organizational Forms and Theories of Firms: Forms of industrial organization: Ownership management and control. Firm and its objectives. Alternative theories of firm: W.J.Baumol, O. Williamson, R. Marris, Cyret and March.

SECTION-B

Industrial Strategies to Competition: Industrial productivity: Concept, measurement and determinants. Industrial Capacity: Concept and measurement of capacity utilization. Concepts of diversification, merger and acquisition.

Project Planning and Investment Decisions: Nature and types of investment decisions, Time profile of a project, Methods of project evaluation, Introduction to cost-benefit analysis.

RECOMMENDED READINGS

1. Bains , J.S. : *Industrial Organisation*, Cheltanhm,U.K., 1996.
2. Barthwal, R.R.: *Industrial Economics*, Weiley Eastern Ltd. New Delhi, 1990.
3. Cherunilam, F.: *Industrial Economics*: Indian *Perspective*, Himalaya Publishing House, Mumbai, 1994.
4. Chandra, P.: *Project Preparation, Appraisal, Budgeting and Implementation*, Tata McGraw-Hill Publishing, New Delhi.
5. Desai, B.: *Industrial Economy in India*, Himalaya Publishing House, Mumbai, 1999.
6. Divine, P.J. and R.M. Jones et.al.: *An Introduction to Industrial Economics* George Allen and Unwin Ltd, London, 1976.
7. Hay, D.and D.J.Morris: *Indian Economics: Theory and Practice*, Oxford University Press, 1979.
8. Shepherd, W.G: *The Economics of Industrial Organization*
9. Kanwaljeet Kaur: ਉਦਯੋਗਿਕ ਅਰਥ-ਸ਼ਾਸਤਰ

Professor/& Head,
Department of Economics,
Punjabi University,Patiala

ECO-105 (iii): ECONOMICS OF LABOUR

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Labour Markets: Nature and Characteristics of Labour markets; Characteristics of a developing economy and growth of labour market in India; Paradigm of labour market analysis - (a) The Classical theory of the labour market; (b) The Neo-Classical theory of the labour market. The labour market in a dual economy. Analysis of demand for and supply of labour. The Malthusian theory of population.

Employment: Concept of employment and unemployment. Employment and Development relationship. Measurement and causes of unemployment with reference to India. Impact of rationalization, technological change and modernization on employment with reference to India.

SECTION-B

Wage Determination: Neo-Classical theory of wage determination: (a) Marginal productivity theory. (b) Wage determination under imperfect competition. (c) Bargaining theory; Various concepts of wages: minimum wage, living wage, fair wage. Problems of implementation of minimum wages. (a) The need for State regulation. (b) Objects of minimum wages. (c) Difficulties in enforcing minimum wages, with special reference to India. Wage determination process in the industrial and agricultural sectors of the Indian economy, including the informal sector.

Wage and Non-wage Components of Labour Remuneration. Methods of wage payments. Wage differentials and Standardization of wages. Equal pay for equal work. Incentive system of payment to workers including bonus and profit-sharing schemes. Wage-Inflation relationship, including discussion of the Phillips Curve.
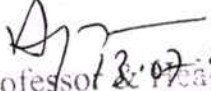
BASIC READINGS

1.	T.N.Bhagoliwal	:	Economics of Labour and Industrial Relations.
2.	Jiwitesh Kumar Singh	:	Labour Economics.
3.	Michael P. Todaro	:	Economic Development.
4.	Benjamin Higgins	:	Economic Development.
5.	G.M.Meier	:	Leading Issues in Development Economics.
6.	B.J.Mclormick and E.Owen (ed.)	:	The Labour Market.
7.	Lloyd G. Reynolds	:	Labour Economics and Labour Relations.
8.	A.M.Cartter and E.Ray Marshall	:	Labour Economics.Wages Employment and Trade Unionism.

9.	V.V.Giri	:	Labour Problems in Indian Industry.
10.	S.C. Pant	:	Indian Labour Problems.
11.	S.C.Kuchhal:	:	The Industrial Economy of India.
12.	Arun Monappa	:	Industrial Relations.
13.	T.S. Papola and G.Rodgers (eds.)	:	Labour Institutions and Economics Development in India.
14.	L.Misra.	:	Child Labour in India.

FOR REFERENCE

1. Govt. of India : Report of the First and Second National Commission on Labour.
2. Govt. of India : Latest Annual Report of the Ministry of Labour.
3. Susan Horon, Ravi Ranbur and Deepak Mazumdar (ed.): Labour   Market   in   an Era of Adjustment, Vol. 1, World Bank publication.

Professor & Head,
Department of Economics.
Punjabi University, Patiala

M.A. (Economics,) PART-I, (Sem I, II) for Sessions: 2021-22 & 2022-23
For Regular/ Distance Education/Private Students

11

ECO-105 (iv): HISTORY OF ECONOMIC THOUGHT

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students Maximum Marks: 100 Internal Assessment: 25 Marks External Assessment: 75 Marks	Time Allowed: 3 Hours Pass Marks: 35% Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Economic Ideas and the Development of Economic Thinking in Ancient Times: Hebrew Economic thought, Greek Economic Thought: Plato and Aristotle; Roman Economic Thought.
Medieval Economic Thought: Cannon Law; Ideas of Saint Thomas Aquinas and Nicholas Oresme.
The Beginning of the Modern World: Mercantilism: Rise of Mercantilism and its main ideas.
Physiocracy: The pre-conditions of the Industrial Revolution; Ideas of Natural Order and Net Product; Quesnay's Tableau Economique.

SECTION-B

Adam Smith; Philosophy of Naturalism and Optimism. Theories of Value, distribution, Views on division of labour, trade and economic progress.
David Ricardo: Theories of Value, rent distribution and ideas on economic development and international trade.
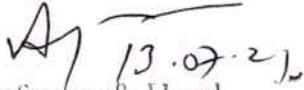Malthus: Theory of population and gluts.

RECOMMENDED READINGS

1.	Blackhouse, R.	:	A History of Modern Economic Analysis, Basil Blackwell, Oxford, 1965.
2.	Screpanti, Ernesto & Stefano Zamagni	:	An outline of the History of Economic Thought, Clarndon Press, 1995.
3.	Gide, C, and G. Rist:	:	A History of Economic Doctrines (2nd edition), George Harrop & Co., London, 1956.
4.	Grey, A. and A. E.Thomson	:	The Development of Economic Doctrine (2nd edition), Longman Group, London, 1980.
5.	Spiegel, H.W	:	The Growth of Economic Thought, 1991.
6.	ROLL,E	:	A History of Economic Thought, 1991 A History of Economic Thought, Faber, London, 1973.
7.	Schumpeter, J.A	:	History of Economic Analysis, Oxford University Press, New York, 1954.
8.	Seshadri, G.B.	:	Economic Doctrines, B.R. Publishing Corporation, Delhi, 1997.
9.	Hamey, L.H.	:	History of Economic Thought, 1949
10.	Mandel, E.	:	Marxist Economic Theory, 1968.

SUPPLEMENTARY READING LIST

1. Blaug, M.   :   Economic Theory in Retrospect: A History of
                             Economic   Thought from A dam Smith to J.M.
                             Keynes (5th   Edition),   Cambridge University Press,
                             Cambridge, 1997.

2. Dasgupta, A.K   :   Epochs of Economic   Theory, Oxford University
                             Press, New   Delhi, 1985.

3. Koot, G.M.   :   English Historical Economics: 1850-   1926,
                             Cambridge University Press, Cambridge,1988.

4. Schumpeter, J.A   :   Ten Great Economists, Oxford University Press,
                             New   York, 1951.

5. Shyionya, Y.   :   Schumpeter and the Idea of Social Science, Cambridge
                                 University Press, Cambridge,   1997.

6. Blackhouse, R.E   :   The Penguin History of Economics, 2002.
7. Heilbroners, R.L.   :   The Worldly Philosophers, 2000.
8. Lanneret, H, and   :   History of Economic Thought, 1994.D. Colander
9. Dobb, M.   :   Theories of Value and Distribution since Adam Smith.
                             1973

13.07.21

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ECO-105 (v): ECONOMICS OF DEMOGRAPHY

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students Maximum Marks: 100 Internal Assessment: 25 Marks External Assessment: 75 Marks	Time Allowed: 3 Hours **Pass Marks: 35%** Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Population and Development: Meaning and scope of demography, Components of population growth and their interdependence; Measures of population changes; Structure, distribution and sources of population data; Theories of population-Malthus, optimum theory of population; Theories of demographic transition-view of Medows, Enke and Simon; Population and development.

Structure of Population: Population trends in the twentieth century; International aspects of population growth and distribution; Pattern of sex and sex structure in more developed and less developed and less developed countries; Determinants of age and sex structure; age pyramids and projections- individual ageing and populating ageing.
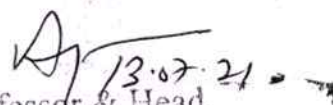
SECTION-B

Fertility: importance of study of fertility- Total fertility rate, Gross reproduction rate and net reproduction rate. Levels and trends in more and less developed countries; Factors affecting fertility.

Nuptiality: Concept and analysis of marital status; Trends in age at marriage, widowhood and divorce.

Mortality : Levels and trends in mortality in more and less developed countries; Sex and age patterns and difference in mortality: Foetal and infant mortality; Factors for dealing in mortality in recent past; Life Tables-Construction and uses: Methods for population projection.

RECOMMENDED READINGS

1. D.J.Bogue   :   Principles of Demography, John Viley, NewYork, 1971.
2. S.C. Gulati   :   Fertility in India: An Econometric   Study of Metropolis , Sage, New Delhi, 1988.
3. K.Srinivasan: :   Basic Demographic Techniques and Applications, Sage, India, 1998.
4. H.Shyrock et.al. :   The Methods & Materials of   Demography. U.S. Department of Commerce, Washington D.C.

13.07.21

Professor & Head,
Department of Economics,

ECO-105 (vi): ECONOMICS OF GENDER AND DEVELOPMENT

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students Maximum Marks: 100 Internal Assessment: 25 Marks External Assessment: 75 Marks	Time Allowed: 3 Hours Pass Marks: 35% Teaching Hours (For Regular Students): 55
For Private Students Maximum Marks: 100	

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Introduction to Gender Studies: Importance and concepts of women Studies- Women in patriarchal and matriarchal societies and structures, matrilineal and patrilineal systems and relevance to present day society in India; Economic basis and functioning of patriarchy in developed and LDCs,. particularly India; Gender bias in the theories of value, distribution and population.

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

SECTION-B

Women in Decision Making: Factors affecting decision making by women; property rights, access to and control over economic resources, assets; power of decision making at household, class, community level; Economic status of women and its effect on work-participation rate, income level, health, and education in developing countries and India.

Conceptualization of Women's Work: Concept and analysis of women's work. Valuation of productive work and unproductive work; visible and invisible work; paid and unpaid work; economically productive and socially productive work. Female contribution to National Income.
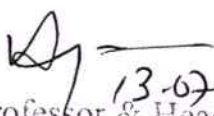
BASIC READINGS

1. Boserup, E. : Women's Role in Economic Development, George Allen and Unwin, London, 1970.
2. Government of India : Towards Equality Report of the Committee on the status of women in India, Department of Social Welfare, Ministry of Education and Social Welfare, New Delhi, 1974.
3. Krishnaraj, M., R.M, Sudarshan & A Shariff : Gender, Population and Development, Oxford University Press, New Delhi,1999.
4. Seth, M. : Women and Development: The Indian Experience, Sage Publications, New Delhi, 2000.
5. Srinivansan K. and A.Shroff. : India : Towards Population and Development Goals, Oxford University Press, New Delhi, 1998.
6. Wazir, R. : The Gender Gap in Basic Education: NGOs as Change Agents, Sage Publications, New Delhi, 2000.

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ADDITIONAL READINGS

1.   Mishra, S.   :   Voluntary Action in Health and population: The
                                      Dynamics of Social Transition, Sage publications,
                                      New Delhi. 2000.

2.   Sen, A.K   :   Gender and Cooperative Confects in Tinker (Ed.)
                                      Persistent Inequalities: Women and World
                                      Development, Oxford University Press, New York,
                                      1990.

3.   Amsden, A.H. (Ed.)   :   The Economics of Women and Work, Penguin,
     Harmondsworth. 1980.

4.   ILO   :   Women's Participation in the Economic Activity of
                                      Asian Countries, ILO, Geneva, 1978.

5.   Papola, T.S. and   :   Gender and Employment in (Eds.)   India,
     A.N Sharma   Vikas Publishing House, New Delhi, 1999.

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Department of Economics,
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ECO - 105 (vii): ECONOMICS HISTORY OF U.K. AND JAPAN

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students Maximum Marks: 100 Internal Assessment: 25 Marks External Assessment: 75 Marks	Time Allowed: 3 Hours Pass Marks: 35% Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

U.K (1865-1945)
British Economy in Mid-eighteenth Century: Agriculture, Industry and Trade; Industrial Revolution: Origin, Growth and impact; Agrarian Revolution in the Eighteenth Century; Growth of major industries after industrial revolution: Textiles, Iron and Steel and Engineering; the factory system and factory acts.
Trade and Transport System: Railways and Navigation and Company Trading. Emergence and growth of trade union movement. British economy on the eve of First World War; Economy between the Two World Wars.

SECTION-B

JAPAN (1868-1970)
The Meiji restoration and its economic implications. Economic reconstruction: 1868-1881. Economic development of agriculture and industry: 1881-1914 and 1914-32; Economic policy and zaibatsu.
Economy in thirties, revelation and preparation of war: 1932-1937. Economic reconstruction after world war-II. Structural changes in the economy. Role of state in economic development.

RECOMMNDED READING

1. D.R. Gadgil : *The Industrial Evolution of India* in Recent Times, Oxford University Press, Delhi.

2. Mourice Doob : *Soviet Economic Development since 1917,* London, Rutledge and Keg an Ltd.

3. G.C. Allen : A Short Economic History of Modern Japan, London, Unwind, University Books.

4. W.W.Lockwood : Economic Development of Japan, Princeton, New Jersey, Princeton University Press, 1954.

SUPPLEMENTARY READINGS

1. Alec Nova : The Soviet Economic System, London, George Allen and Unwind Ltd; 1973.

2. David A. Dyker : The Soviet Economy, Canada Publishing Limited.

Professor & Head,
Department Economics,
Punjabi University, Patiala

SECOND SEMESTER
ECO-201: MICRO ECONOMIC ANALYSIS

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students Maximum Marks: 100 Internal Assessment: 25 Marks External Assessment: 75 Marks	Time Allowed: 3 Hours **Pass Marks: 35%** Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Price and output Determination: Monopolistic competition-General and Chamberlin Approach; Equilibrium of the firm and group with product differentiation and selling costs, excess capacity under monopolistic competition, Non-collusive oligopoly-Cournot, Bertrand, Edgeworth, Chamberlin and Stackable Models; Kinked demand curve model and price rigidity. Collusive oligopoly-cartels and price leadership models.

Alternative Theories of the Firm: The marginality controversy and critical analysis of marginal analysis, Hall and Hitch Report and average cost pricing principles. Alternative theories of the firm-Baumol's sales revenue maximization model; Marris model of managerial enterprise; Williamson's model of managerial discretion; Decision making under uncertainty: Attitude towards Risks.

SECTION-B

Distribution: Neo-Classical approach-marginal productivity theory; product Exhaustion theorem; modern version of marginal productivity theory, Factor pricing under imperfect product and factor markets-determination of wages. Macro theories of distribution-Riparian, Marxian, Keleky and Kaldor's.

Welfare Economics: Pigouvian welfare economics; Pareto's unanimity rule and optimal conditions; value judgment; Kaldor-Hicks compensation Principle, Social Welfare function; Bergson-Samuelson; Raul's Theory of second best-Arrow's impossibility theorem.
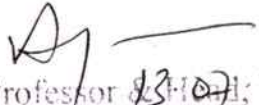
BASIC READING LIST

1. Kreps, David M. : A Course in Micro-economic Theory, Princeton University Press, Princeton, 1990.
2. Koutsoyiannis, A. : Modern Micro-economics (2nd Edition). Macmillan Press, London, 1979.
3. Layard, P.R.G& A.W. Walters : Micro-economics: Theory ,McGraw-Hill, New York, 1978.
4. Sen.A. : Micro-economics: Theory & Applications, Oxford University Press, New Delhi. 1999.
5. Stigler,G. : Theory of Price (4th Edition), Prentice Hall of India. New Delhi, 1996.

6. Varia,H.   : Micro-economic Analysis, W.W. Norton, New York, 2000.

ADDITIONAL READING LIST

1. Baumol, W.J.   : Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi, 1982.

2. Hirshleifer,J.and A.Glazer   : Price, Theory and Applications, Prentice Hall of India, New Delhi, 1997.

3. Green, H.A.G.   : Consumer Theory, Penguin, Hammondsport, 1971.

4. Henderson,J.M& R.E.Quandt   : Micro-economic Theory: A Mathematical Approach, McGraw Hill New Delhi 1980.

5. Da Costa, G.C.   : Production, Prices and Distribution, Tata McGraw Hill, New Delhi, 1980.

6. Health fields& Wife   : An Introduction to Cost and Production Functions, Macmillan, London, 1987.

7. Bronfenbrenner, M.   : Welfare Economics, Basil Blackwell, London, 1984.

8. Broadway, R.W   : Welfare Economics, Basil Blackwell, London 1979.

9. Graff, J.De V.   : Theoretical Welfare Economics, Cambridge University Press, Cambridge, 1957.

10. Mishand ,E.J.   : Welfare Economics: An Assessment North Holland, Amsterdam, 1969.

11. Quirk,J. and   : Introduction to General Equilibrium Theory and Welfare Economics, McGraw Hill, New York, 1968.

12. Burch, K.H.   : The Economics of Uncertainty, Princeton University Press, Princeton, 1968.

13. Diamond & Rothschild (Eds.)   : Uncertainty in Economics, Academic Press, New York, 1978.

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ECO-202: MACRO ECONOMIC ANALYSIS

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students	Time Allowed: 3 Hours
Maximum Marks: 100	Pass Marks: 35%
Internal Assessment: 25 Marks	Teaching Hours (For Regular
External Assessment: 75 Marks	Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Micro-foundations of Macro-economics: Formation of expectations; Philips curve and Lucas Island model, policy ineffective theorem; Taylor model; Caplin-Spulber Model; Coordination failure models.

Marco-economics Policy for Stabilization and Growth: Theory of economic policy, policy objectives and conflicts; fixed vs. target approach, monetary policy, fiscal policy and crowding out, policy mix.
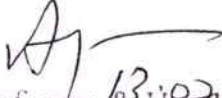
SECTION-B

Open Economy Macro-economics: Balance of payments and exchange rate, capital mobility, Mundell-Flemming model-perfect capital mobility under fixed and flexible exchange rate; assets markets, expectations and exchange rates, monetary approach to balance of payments.

Inflation and Monetary Policy: Inflation, money growth and interest rates; dynamic inconsistency of low-inflation monetary policy, seignorage and low inflation monetary policy, seignorage and inflation; budget deficit and fiscal policy, Ricardian Equivalence Debate, tax smoothening under certainty and uncertainty; cost of deficit and debt crisis

READING LIST

1.	Bhaduri, A.	:	Macro-economics: They Dynamic of Commodity Production, Macmillan India Ltd. New Delhi, 1990.
2.	Bo-Sodersten and G. Reed	:	International Economics, Macmillan Press London, 1994.
3.	Dornbusch, R,.S. Fischer& R. Startz	:	Macro-economics. Tata Mc Grew-Hill, New Delhi, 2000.
4.	Makin, A.J.	:	International Macro-economics, Prentice Hall, London, 2002.
5.	Hall, R.E and J.B Taylor	:	Macro-economics, W.W. Norton, New Your 1986.
6.	Romer David	:	Advanced Macro-economics, McGraw-Hill, International Edition, New York, 2001.
7.	Turnovsky, Steophen,J.	:	Methods of Macro-economic Dynamics, Prentice Hall of India Pvt. Ltd., New Delhi, 1997.
8.	David K.H. Begg	:	The Rational Expectations Revolution in Macro-economics: Theories & Evidence, Heritage Publishers, New Delhi, 1982.

Longman, New Delhi, 2004

10. Levacic, Rosalind& : Macro-economics: An introduction to
    Alexander, Redman   Keynesian-Neoclassical Controversies, Macmillan
                          India, 2003.

11. Sachs, Jeffery D.& : Macro-economics in the Global Economy, Prentice
    Felipe B, Larraine   Hall, New Jersey, 1993.

Professor & Head.
Department of Economics,
Punjabi University, Patiala

ECO-203: BASC QUANTITATIVE METHODS

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students,* the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students,* the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Concepts of Geometric Mean, Harmonic Mean and their applications, Measures of Dispersion including Lorenz Curve. Skewness: Meaning, types and measures. Probability; definition, concepts, Addition and Multiplication theorems and their applications.

Correlation and Regression: Correlation: Definition, types, causation, Methods of correlation; Discrete and Continuous Variables; Properties of correlation, Rank Correlation and its applications, and Concurrent Deviation Method.

Regression Analysis: Meaning, types, difference between Correlation and Regression, Methods of obtaining Regression Equations in case of two Variables only, Properties of Regression Coefficients, Discrete and Continuous Variables.

SECTION-B

Interpolation and Extrapolation: Binomial Expansion Method, Newton's Method for Leading Differences and Lagrange's Method.

Index numbers: Meaning, types, problems and methods of construction of Index Numbers. Chain and Fixed Base Index Number, Tests of Consistency and Cost of living Index Numbers.

Time Series Analysis : Components of Time Series and its Measurement of Secular Trend and Seasonal Variations.

RECOMMENDED READINGS

1.	Alpha C. Chiang	:	Fundamental Methods of Mathematical Economics.
2.	S.P.Gupta	:	Statistical Methods.
3.	S.C.Gupta	:	Statistical Methods
4.	T.L.Kaushal	:	Statistical Analysis
5.	Joshi and Aggarwal		Mathematics for the Students of Economics(Latest Edition)

SUPPLEMENTARY READINGS

1.	P.H. Daus and W.M. Wryburn	:	Algebra with Application to Business and Economics.
2.	P.G.Hoel	:	Elementary Statistics.
3.	Ya-Lun Chow	:	Statistical Analysis (2nd ed.)

Professor & Head,
Department of Economics,

ECO-204: ECONOMICS OF GROWTH AND DEVELOPMENT

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Endogenous Models of Growth: Lucas and Romer. Theory of Convergence and divergence: Barro and Sala-i-Martin; Development and migration: Lewis and Todaro.

Resource Allocation: Cost-benefit analysis. Shadow prices. investment criteria. Choice of appropriate technology and employment. Project evaluation.

SECTION-B

Human Capital: Education and R& D, health and nutrition: theory, investment, returns and policy issues. Growth, poverty and inequality: theory, measurement, empirical evidence and interconnections.

Environment and Development: Sustainable development, conservation and use of exhaustible resources: water and minerals. Markets in agriculture: land, labour and credit and their functioning, inter-linkages and policy.

LIST OF READINGS

1. Michael P. Todaro : Economic Development in the Third World.
2. Debraj Ray : Development Economics.
3. Robert J. Baroo and Xavier Sala-ix-Martin : Economic Growth.
4. Gerald M. Meier : Leading Issues in Economic Development.
5. J.E. Meade : A Neo-classical Theory of Economic Growth.
6 Adelman, A. : Theories of Economic Growth and Development.
7 Chenery,H.and T.N.Srinivasan : Handbook of Development Economics. Vol. 1, 2& 3.
8. Solow , R. M. : Growth Theory: An Exposition.
9. Mehrotra,S.and J.Richard : Development with a Human Face.
10. Dasgupta, P., A.K. Sen& S Margin : Guidelines for Project Evaluation.
11. Mishan, E.J. : Cost Benefit Analysis.
12. Lawrence ,G. Hines: : Environmental Issues: Population and Economics.
13. Chenery.H.B.et.al.(eds.) : Redistribution with Growth.
14 Meadows,D.H. et.al: : The Limits to Growth.
15. Anil Markandya et. al : Environmental Economics for sustainable Growth: A Handbook for, practitioners, Edward Elgar, USA, 2002.
16 Nick Hanely and Colin J. Roberts (eds.) : Issues in Environmental Economics Blackwell Publishers, UK, 2001.

Professor &Head,
Department of Economics,
Punjabi University.Patiala

ECO-205(i): ECONOMICS OF AGRICULTURE

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students Maximum Marks: 100 Internal Assessment: 25 Marks External Assessment: 75 Marks	Time Allowed: 3 Hours **Pass Marks: 35%** Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS FOR PAPER SETTERS

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Farm-size and Productivity Relationship in Indian Agriculture. Agricultural Price Policy in India: Instruments and evaluation. Diversification of Indian Agriculture: Meaning, Objectives, Incentives and Disincentives for its achievement, Problems therein. Farm Mechanization in Indian Agriculture: Case for and against it; Agricultural Marketing in India: Types, Efficiency, problems and measures for its improvement.

SECTION-B

New Agricultural Strategy and Green Revolution: Factors responsible, Implications and Problems therein. Problems of agricultural labourers and small farmers. Rural indebtedness: Causes and measures. Need for Rural Credit, its classification and sources. Recent Trends in Agricultural Growth in India: Causes of low agricultural productivity and Inter-regional variations in growth of output and productivity in India. WTO and agriculture in India.

RECOMMENDED READINGS

1. C. Eicher and L. Witt : Agriculture in Economic Development. Vora and Co., Mumbai.
2. R.N. Soni : Leading Issues in Agricultural Economics. Sohan Lal Nagin Chand &Co., Jalandhar.
3. Sadhu and Singh : Fundamentals of Agricultural Economics. Himalaya Publishing House, Mumbai.
4. Charan D. Wadhva : Some Problems of India, Allied, Bombay.
5. P.C. Joshi : Land Reforms in Indian. Allied, Bombay.
6. Rudder Datt and K.P.Sundharam : Indian Economy, S. Chand & Co. Ltd. New Delhi.
7. Francis R. Frankel : India's Green Revolution: Economic Gains and Political Costs, Oxford University Press, Bombay.
8. Draft of GATT Agreements Final : Text of Uruguay Round 1994, World Trade Centre, Mumbai.

SUPPLEMENTARY READINGS

1. Economic and Political Weekly, Sameeksha Trust, Mumbai.
2. Indian Journal of Agricultural Economics, Indian Society of Agricultural Economics, Mumbai.
3. The Indian Journal of Labour Economics, the Indian Society of Labour Economics, New Delhi.
4. Agricultural Situation in India, Govt. of India, New Delhi

ECO-205-(ii): ECONOMICS OF INDUSTRY

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Location and Pricing: Location of Economic Activities: Theories of A. Weber, Sargent Florence and Tord Plander, Determinants and Factors affecting Industrial Location; Industrial Pricing: Theory and Practice-Cost oriented pricing, Competition-oriented pricing, Pricing in public enterprises.

Industrial Finance: Types of financial requirements and Sources of industrial finances. Development Finance Institutions, Capital Market in India: Evolution, Structure, Problems and Reforms in Indian Capital Market.
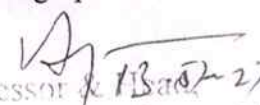
SECTION-B

Industrial Development in India Since 1991: Role and Pattern of industrialization, Industrial Policy changes; Public sector: Role and problems, Privatization: Nature and extent of disinvestment. Role of Foreign capital in Industrial Sector.

Current Problems of Industrial Sector: Industrial Sickness and Problems of Small Scale Industries in India. Industrial disputes: Causes and machinery for settlement.

BASIC READING LIST

1.	Ahluwalia, I.J	:	Industrial Growth in India, Oxford University Press, New Delhi, 1985.
2.	Dhar, P.K.	:	Indian Economy: Its Growing Dimensions Kalyani Publishers, New Delhi, 2007.
3.	Dutt, Ruddar and Sundharam, K.P.M.	:	Indian Economy, S. Chand and Company Ltd., 2009
4.	Golder, B.	:	Technology Acquisition and Productivity Growth: A Study of Industrial Firms in India, Working Paper, Institute of Economic Growth, Delhi, 1995.
5.	Govt. of India	:	Annual Surveys.
6.	Mishra, S.K. and Puri, V.K.	:	Indian Economy, Himalaya Publishing House, New Delhi, 2008.
7.	Mookherjee, Dilip (ed.)	:	Indian Industry: Policies & Performances. Oxford University Press, Delhi, 1995.
8.	Nayyar, Deepak (ed.)	:	Industrial Growth and Stagnation, 1994.
9.	Smith, D.M.	:	Industrial Location: An Economic and Geographic Analysis, John Wiley, New York, 1971.

Professor & Basra
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ECO-205 (iii): ECONOMICS OF LABOUR

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Trade Unions: Growth of Industrialization and emergence of unionism. Theories of labour movement- The Marxian view and the Theory of Industrial Democracy by Sidney and Beatrice Webb. Growth, Structure and Pattern of Trade Unionism in India. Achievements and failures of Trade Union Movement in India.

Industrial Relations: Determinants of Industrial Disputes, Steps to achieve Industrial peace. Methods of settlement of Industrial Disputes. Collective bargaining, conciliation and arbitration, Labour participation in Management.

SECTION-B

Social Security and Welfare Legislation in India: Concept of social security. Social security and Social Insurance. Important social security and labour welfare measures adopted by the Government.

Important Labour Legislation in India: (a) Industrial Disputes Act; (b) Trade Unions Act; (c) Factories Act; and (d) Employees State Insurance Act.

State and Labour: Receding state and its effect on labour markets. Need for safety nets, Special labour problems: Child labour; Woman labour; Agricultural labour (in the Indian context). Second National Commission on Labour and its recommendations. ILO and its role in promoting labour welfare.

BASIC READINGS

1.	T.N. Bhagoliwal	:	Economics of Labour and Industrial Relations.
2.	Jiwitesh Kumar Singh	:	Labour Economics.
3.	Michael P. Todaro	:	Economic Development
4.	Benjamin Higgins	:	Economic Development
5.	G.M.Meier	:	Leading Issues in Development Economics.
6.	B.J. Mclormick and E. Owen (ed.)	:	The Labour Market.
7.	Lloyd G. Reynolds	:	Labour Economics and Labour Relations.
8.	A.M.Cartter and F. Ray Marshall	:	Labour Economics, Wages, Employment, and Trade Unionism.
9.	V.V.Giri	:	Labour Problems in Indian Industry.
10.	S.C.Pant	:	Indian Labour Problems.
11.	S.C. Kuchhal	:	The Industrial Economy of India

12.	Arun Monappa	:	Industrial Relations.
13.	T.S. Papola and G. Rodgers (eds.)	:	Labour Institutions and Economics Development in India.
14.	L. Misra.	:	Child Labor in India.

FOR REFERENCE

1. Govt. of India: Report of the First and Second National Commission on Labour.
2. Govt. of India. Latest Annual Report of the Ministry of Labour.
3. Susan Horon, Ravi Ranbur and Deepak Mazumdar (ed): Labour Market in an Era of Adjustment, Vol. 1, world Bank Publication.

SUPPLEMENTARY READING LIST

1.	Blaug, M.	:	Economic Theory in Retrospect: A History of Economic Thought from Adam smith to J.M. Keynes (5th Edition), Cambridge University Press, Cambridge, 1997.
2.	Dasgupta, A.K	:	Epochs of Economic Theory, Oxford University Press, New Delhi, 1985.
3.	Koot, G.M.	:	English Historical Economics: 1850-1926, Cambridge University Press, Cambridge, 1988.
4.	Roy. M.N	:	Memoirs, Allied Publishing House, Bombay, 1964.
5.	Schumpeter, J.A	:	Ten Great Economists, Oxford University Press, New York, 1951.
6.	Shyionya, Y.	:	Schumpeter and the Idea of Social Science, Cambridge University Press, Cambridge, 1997.
7.	Blackhouse, R.E	:	The Penguin History of Economics, 2002.
8.	Heilbroners, R.L.	:	The Worldly Philosophers, 2000.
9.	Lanneret, H. and D. Colander	:	History of Economic Thought, 1994.
10.	Dobb, M.	:	Theories of Value and Distribution since Adam Smith, 1973.

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ECO-205 (iv): HISTORY OF ECONOMIC THOUGHT

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Economic idea of J.B.Mill , Senior and List , Origin of Socialist Thought.
Socialist Ideas: Sismondi, Saint-Simon and Production. Marxian Philosophy: Dialectical Materialism and Historical Materialism. Marxian theories of value, surplus value, profit and crisis of capitalism.

SECTION-B

Marginalist Revolution: Jevons, Walras, Manger, Neo-classical thought: Marshall.
Welfare Economics: Hobson and Pious.
Indian Economic Thought: Ancient Indian Economic Thought: Kautilya; Valluvar
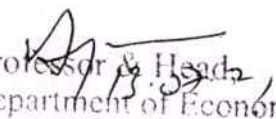Founders of Indian Economics: Dadabhi Naoroji, G.K. Gokhale, R.C. Dutt and M. Visesvaray.

RECOMMENDED READINGS

1. Blackhouse, R. : A History of modern Economic Analysis, Basil Blackwell, Oxford, 1965.
2. Screpanti, Emesto. & Stefano Zamagni : An outline of the History of Economic Thought, Clarendon Press 1995.
3. Ganguli, B.N : Indian Economic Thought: A 19th Century Perspective, Tate McGraw Hill New Delhi, 1977.
4. Gide, C. and G. Rist: : A History of Economic Doctrines (2nd edition) Longman Group, London. 1980.
6. Kautilya : The Arthashastra, Edited, Rearranged, Translated and Introduced by L.N. Rangarajan, Penguin Books, New Delhi, 1992.
7. Spiegel, H.W. : The Growth of Economic Thought, 1991.
8. Roll, E. : A History of Economic Analysis, Oxford University Press, New York, 1954.
9. Schumpeter, J.A. : History of Economic Analysis, Oxford University Press, New York, 1954.
10. Seshadri, G.B. : Economic Doctrines, B.R. Publishing Corporation, Delhi, 1997.
11. Hamey , L.H, : History of Economic Thought, 1949.
12. Mandel, E. : Marxist Economic Theory, 1968.
13. Gandhi, M.K : Indian of My Dreams, Navajivan Publishing House, Ahmadabad, 1947.
14. Naoroji, Dadabhai : Poverty and Un-British Rule in India.

15. Visesvaraya, M.   :   Planned Economy of India.

SUPPLEMENTARY READING LIST

1. Blaug, M.   :   Economic Theory in Retrospect: A History of Economic Thought from Adam Smith to J.M. Keynes (5th Edition), Cambridge University Press, Cambridge, 1997.

2. Dasgupta, A.K   :   Epochs of Economic Theory, Oxford University Press, New Delhi, 1985.

3. Koot, G.M   :   English Historical Economic: 1850-1926, Cambridge University Press, Cambridge, 1988.

4. Roy, M.N.   :   Memoirs, Allied Publishing House, Bombay , 1964.

5. Schumpeter, J.A   :   Ten Great Economists. Oxford University Press, New York, 1951.

6. Shyionya, Y.   :   Schumpeter and the Idea of Social Science, Cambridge University Press, Cambridge, 1997.

7. Blackhouse, R.E   :   The Penguin History of Economics, 2002.

8. Heilbroners, R.L.   :   The Worldly Philosophers , 2000.

9. Landreth H. and D. :   History of Economic Thought, 1994.
    Colander

10. Dobb, M.   :   Theories of Value and Distribution since Adam Smith, 1973.

Professor & Head,
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ECO-205 (v): ECONOMICS OF DEMOGRAPHY

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students Maximum Marks: 100 Internal Assessment: 25 Marks External Assessment: 75 Marks

Time Allowed: 3 Hours **Pass Marks: 35%** Teaching Hours (For Regular Students): 55

For Private Students Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Migration and Urbanization: Basic concept and definitions; importance of migration, Types of migration; Factors affecting migration. Theories of migration related to internal migration; Urbanization-Growth and distribution of rural-urban population in developed and developing countries.

Demographic Database in India: Study of Census in India-Methodology and characteristics in India; Nature of information collected in 1971, 1981, 1991, 2001 and 2011 Census in India; National Family Health Survey 1 and 2 and Rapid Household survey; Changing characteristics of population in India; Pattern of Migration urbanization in India.
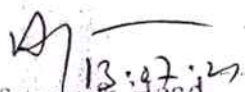
SECTION-B

Population and Development with Reference to India: Population, economy and environment linkage-Population, health, nutrition productivity nexus; Population and human development issues; Demography and household behavior.

Population Policy in India: Evolution of Population policies and India; The New Population Policy; Tasks before National Population Commission.

RECOMMENDED READINGS

1. D.J. Bouge : Principles of Demography, John Wiley, New York, 1971.
2. A. Bose : India's Basic Demographic Statistics
3. P.K. Chaube : Population Policy in India, Kenosha Publications, New Delhi, 2000.
4. K. Srinivasan : Basic Demographic Techniques and Applications, Sage, India, 1998.
5. H. Shyrock et. al. : The Methods & Materials of Demography, U.S. Department of Commerce, Washington D.C.

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ECO-205 (vi): ECONOMICS OF GENDER AND DEVELOPMENT

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Women and Labour Markets: Factors affecting female entry in labour market; Supply and demand for female labour in developed and developing countries, particularly India; Studies of Female work participation in various sectors of Indian Economy. Wage differentials in female activities; Determinants of wage differentials, gender, education, skill, productivity, efficiency, opportunity.

Women, Technology and Environment: Impact of technological development and modernization on women's work participation in general and in various sectors such as agriculture, non-agricultural rural activities, small and cottage industries and organized sector in industry; Role of new technologies for helping women.

SECTION-B

Social Security and Social Protection for Women: Social security of women, entitlements ensuring economic independence and risk coverage, access to credit and insurance markets; Role of voluntary organizations, self-help groups in providing social security; Schemes for safety net for women; Need for female labour unions; Affirmative action for women and improvement in their economic and social status.

Gender Development Policies and Governance: Gender and development Indices; Mainstreaming gender into development policies; Gender sensitive governance; Paradigm shifts from women's well being to women's empowerment; Democratic decentralization (pantheist) and women's empowerment in India.
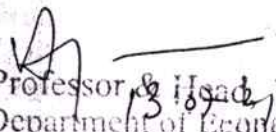
BASIC READINGS

1. Boserup, E. : Women's Role in Economic Development, George Allen and Unwin, London, 1970.
2. Government of India : Towards Equality, Report of the Committee on the status of Women in India, Department of Social Welfare, New Delhi, 1974.
3. Krishnaraj, M. & R.M.Sudarshan : Gender, Population and Development, Oxford University A.Shariff Press, New Delhi, 1999.
4. Seth, M. : Women and Development: The Indian Experience, Sage Publications, New Delhi, 2000.
5. Srinivasan K. and A. : India: Towards Population and Development Goals, Oxford University Press, New Delhi, 1998.

Professor/& Head 2,
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6.   Wazir, R.   :   The Gender Gap in Basic Education: NGOs as Change Agents, Sage Publications, New Delhi, 2000.

ADDITIONAL READINGS

1.   Mishra, S.   :   Voluntary Action in Health and Population: The Dynamics of Social Transition, Sage Publications, New Delhi, 2000.

2.   Sen, A.K.   :   Gender and Cooperative Conflicts in Tinker (Ed.) Persistent Inequalities: Women and World Development,   Oxford University Press, New York. 1990.

3.   Amsden, A.H (Ed)   :   The Economics of Women and Work, Penguin, Harmondsworth, 1980.

4.   ILO   :   Women's Participation in the Economic Activity of Asian Countries, ILO, Geneva, 1978.

5.   Papola, T.S.   :   Gender and Employment in India, Vikas Publishing House, New Delhi, 1999.

6.   MHRD, GOI   :   Sharm Shakti: Report of the National Commission on Self-employed Women and Women Workers in the Informal Sector, Ministry of Human Resources Development, New Delhi, 1987.

7.   Ahmed, I. (Ed.)   :   Technology and Rural Women Conceptual and Empirical Issues, George Allen & Unwin, London, 1995.

8.   Jhabwala, R. and R.K.:   The Unorganized Sector: Work-Subramanya (Eds.) Security and Social Protection, Sage Publication, New Delhi, 2000.

9.   Carr, M., C, Martha   :   Speaking Out: Women's & Economic
    R.Jhabvala (Eds.)   Empowerment in South Asia, Vistaar publications, New Delhi, 1987.

10.   Narasimhan, S.   :   Empowering Women: An Alternative Strategy from Rural   India, Sage Publications, New Delhi, 1999.

11.   Purushothaman, S.   :   The Empowerment of Women in   India: Grassroots Women's Networks and the State, Sage Publications, New Delhi, 1998.

12.   Boserup, E.   :   Women's Role in Economic Development, George Allen and Unwin, London.

13.   Mitra, Ashok   :   The State of Women Literacy and Employment. Allied, Bombay.

Professor & Head
Department of Economics,
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ECO-205 (vii): ECONOMIC HISTORY OF INDIA AND USSR

For Regular Students, lecture to be delivered: 9 periods per week, 6 periods' theory & 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidate are required to give answer of each short type question in about 100 words

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidate are required to give answer of each short type question in about 100 words

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION-A

Economy in the mid-ninetieth century, Demographic developments. National Income. Agrarian economy: Evolution of and tenure system, commercialization of agriculture and its adjustment to colonial purposes. Change in land utilization and cropping pattern. Problems of rural indebtedness. The cooperative movement, Famines and famine policy.

Handicrafts: Decline of handicrafts,. The de-industrialization thesis. Modern industries: Plantations, mining, manufacturing, Industrial policy. Transport and communications. Public Finance: Currency and banking. Foreign trade and payments: The drain thesis, Commercial policy. Foreign capital and its role. Economic consequences of the British rule.

SECTION-B

USSR (1917-1970)

Russian economy in 1917. War communism and New Economic Policy. The Great Debate. Collectivization of Soviet agriculture.

Economic problems after 1945, Economic reforms of mid-1950s and after, Industrial and agricultural structure and development under planning.

RECOMMENDED READINGS

1.	D.R. Gadgil	:	The Industrial Evolution of India in Recent Times, Oxford University Press, Delhi.
2.	Mourice Dobb	:	Soviet Economic Development since. 1917, London, Routledge and Kegan Ltd.
3.	G.C.Allen	:	A Short Economic History of Modern Japan, London, Unwin, University Books.
4.	W.W. Lockwood	:	Economic Development of Japan, Princeton, New Jersey, Princeton University Press, 1954.

SUPPLEMENTARY READINGS

1.	Alec Nove	:	The Soviet Economic System, London, George Allen and Unwin Ltd., 1973.
2.	David A, Dyker	:	The Soviet Economy, Canada Publishing Limited.

Professor & Head.
Department of Economics.
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Open Elective Subject

Paper: Principles of Economics

MaximumMarks:100
Teaching Periods: 55
Internal Assessment: 25 Marks
External Assessment: 75 Marks
Pass Marks: 40

TimeAllowed: 3 Hours

Instructions for the Paper-Setter

The question paper will consist of three sections: A, B and C. Sections A and B will have four questions in each of the sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short-answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer question will carry 3 marks.

Instructions for the Candidates
Candidates will be required to attempt two questions from each of the sections A and B of the question paper and the entire Section C.

Section-A
Economics: Meaning, Nature and Scope. Basic Concepts: Utility and Satisfaction, Human Wants, Price and Value, Deductive and Inductive Methods, Distinction between Micro and Macro Economics, Positive and Normative Economics.
Theory of Demand: Law of Demand and its Exceptions, Elasticity of Demand and its Measurement, Consumer Behavior-Utility Analysis and Indifference Curve Analysis.
National Income: Concepts and Measurement, Methods of Accounting.

Section-B
Money: Definition, Concepts and Types. Theories of Demand for Money
Public Finance: Nature, Scope and its Importance. Public Expenditure: Principles, Effects of Public Expenditure on Production and Distribution.
Taxation: Types, Concepts and Canons, Characteristics of a Good Tax System, Incidence and Impact of Taxation
Balance of Payments and Exchange Rate: Concepts and Components; Fixed versus flexible Exchange Rate, Determination of Exchange Rate.
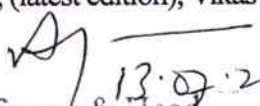
BASIC READINGS

A.K. Koutsoyiannis . Modern Micro Economics, Atlantic Publishers, New Delhi.

H.L. Ahuja. Advanced Economics Theory. S Chand& Company New Delhi

Richard A Musgrrave and Peggy Musgrave, Public Finance in Theory and Practice, Tata Mc Graw Hill, New Delhi

M H Navalur and K K Dewit. Modern Economics Theory. S Chand & Company, New Delhi

H L Bhatia. Public Finance, (latest edition), Vikas Publishers, New Delhi

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