

*SRI GURU TEG BAHADUR KHALSA COLLEGE, SRI
ANANDPUR SAHIB*

*SYLLABUS
FOR
MA (Economics)*

Sessions: 2021-22, 2022-23 and 2023-24



MAECO

*Sri Guru Teg Bahadur Khalsa College
Sri Anandpur Sahib, Ropar (Punjab)
An Autonomous College
NAAC Accredited 'A' Grade
College with Potential for Excellence Status by UGC*

Programme
M.A. Economics

Programme Objectives (POs)

Deep insight about the key indicators of economics which help the students to know about the working of economic variables, business cycles, international economic indicators to make international economic comparisons, working of economic policies and their impact at micro and macro level. It also helps the students to know about the functioning of production sector viz. agriculture, industry and services and their effect on household sector. It also equips the students with knowledge to make them more logical and realistic.

Programme Specific Outcomes (PSOs)

The Programme will help the students to develop a realistic view which make them competitive globally. It will enhance their overall knowledge and help them to fetch jobs both in public and private domain. The students can compete easily for different jobs like economic services, insurance sector, banking and other private jobs. It also helps to equip more knowledge about business environment and to start their own venture and help them self employment.

Programme Structure

The M.A. Economics Programme is a two-year Programme divided into four semesters. A student is required to complete 100 credits for the completion of Programme and the award of degree.

PART	YEAR YEAR	SEMESTER	SEMESTER
Part – I	First Year	Semester I	Semester II
Part – II	Second Year	Semester III	Semester IV

Total Credit Scheme

1. Dr. Sharveta Kaushal
2. Dr. Balwinder Singh Tiwana
3. Dr. Lakhwinder Singh Gill
4. Dr. Sharandeep Singh Dhillon
5. Mr. K. C. Katna
6. Ms. Ruby Kaushal
7. Ms. Anchal
8. Mr. Sharandeep

M.A. (ECONOMICS) : PART I and II
(SEMESTER SYSTEM)
Sessions: 2020-21 & 2021-22

Semester	Core Courses			Elective Course			Total Credits
	No. of papers	Credits (L+T)	Total Credits	No. of papers	Credits (L+T)	Total Credits	
I	3	12+3	15	02	8+2	10	25
II	3	12+3	15	02	8+2	10	25
III	3	12+3	15	02	8+2	10	25
IV	3	12+3	15	02	8+2	10	25
Total Credits for the Course	12	60		08	40		100

Note:

- * Under Choice Based Credit System
- * Complete M.A. (Economics) Course carries 100 credits and each paper carries 5 Credits (4 Lectures + 1 Tutorial), (4*15=60 lectures + 1*15= 15 Tutorials)
- * Total Credits = 60 (Core Courses) + 40 (Elective Courses) = 100

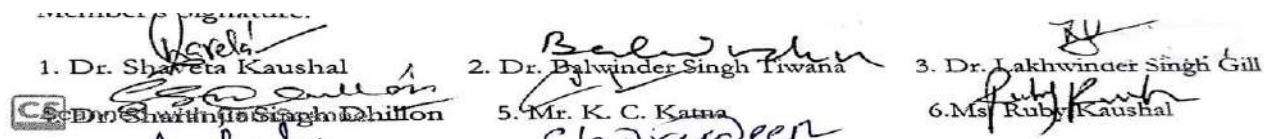
The Break-up of 30 Marks for Internal Assessment (Theory papers), is as below:

- 50 per cent weightage given to Mid Semester Tests (Best of Two) (15 marks)
- 20 per cent weightage given to Attendance (6 marks)
- 20 per cent weightage given to Assignment/ Seminar/ Co-Curricular activities/ Class tests/ NSS/ NCC (6 marks)
- 10 per cent weightage given to Class Behavior (3 marks)

Paper Scheme

- Duration of examination of each paper shall be 3 hours.
- Each paper shall be of 100 marks, out of which 70 marks, shall be allocated for semester examination and 30 marks for internal assessment.

M.A. (ECONOMICS) : PART I and II



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(SEMESTER SYSTEM)
Sessions: 2020-21 & 2021-22

SCHEME OF STUDIES

Semester: I										
S r. N o.	Paper Code	Paper Title	Total Marks	Min.Marks	Max. Marks	Min.Marks	Max. Marks	Min.Marks	Max. Marks	Min.Marks
			Theory		Theory Marks	Practical Marks	Assessment			
Core Papers										
I	Eco.-101	Micro-Economic Analysis	100	35	70	25	-	-	30	10
I	Eco.-102	Macro-Economic Analysis	100	35	70	25	-	-	30	10
I	Eco.-103	Basic Quantitative Methods	100	35	70	25	-	-	30	10
Elective Papers: Any one of the following paper										
I	Eco.-104(i)	Economics of Growth and Development I	100	35	70	25	-	-	30	10
	Eco.-104(ii)	Economics of Demography I	100	35	70	25	-	-	30	10
	Eco.104(iii)	Economics of Gender and Development I	100	35	70	25	-	-	30	10
Elective Papers: Any one of The following paper										
I	Eco.-105(i)	Economics of Agriculture I	100	35	70	25	-	-	30	10
	Eco.-105(ii)	Economics of Industry I	100	35	70	25	-	-	30	10
	Eco.105(iii)	Economics of Labour I	100	35	70	25	-	-	30	10
	Eco.105(iv)	History of Economic Thoughts I	100	35	70	25	-	-	30	10
Semester: II										

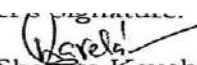


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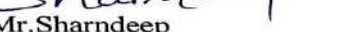
3. Dr. Balwinder Singh Tiwana
5. Mr. K. C. Katna
8. Mr. Sharndeep

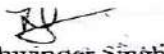
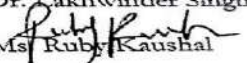
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S r n o .	Paper Code	Paper Title	Total Marks	Min.Marks	Max. Marks	Min.Marks	Max. Marks	Min.Marks	Max. Marks	Min.Marks
			Theory		Theory Marks		Practical Marks		Assessment	
II	Eco.-201	Micro-Economic Analysis -II	100	35	70	25	-	-	30	10
II	Eco.-202	Macro-Economic Analysis- II	100	35	70	25	-	-	30	10
II	Eco.-203	Statistical Methods- I	100	35	70	25	-	-	30	10
Eco- 204: Any one of The following paper										
II	Eco.-204(i)	Economics of Growth and Development-II	100	35	70	25	-	-	30	10
	Eco.-204(ii)	Economics of Demography II	100	35	70	25	-	-	30	10
	Eco.204(iii)	Economics of Gender and Development-II	100	35	70	25	-	-	30	10
Eco- 205: Any one of The following paper										
II	Eco.-205(i)	Economics of Agriculture II	100	35	70	25	-	-	30	10
	Eco.-205(ii)	Economics of Industry II	100	35	70	25	-	-	30	10
	Eco.-205(iii)	Economics of Labour II	100	35	70	25	-	-	30	10
	Eco.205(iv)	History of Economic Thought II	100	35	70	25	-	-	30	10

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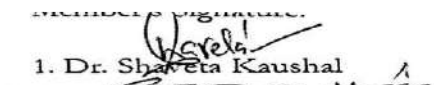


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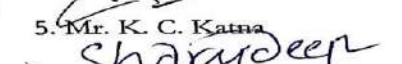
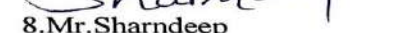
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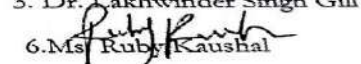
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Semester: III

Sr. No.	Paper Code	Paper Title	Total Marks	Min. Marks	Max.Marks	Min. Marks	Max.Marks	Min. Marks	Max.Marks	Min. Marks
			Theory		Theory Marks		Practical Marks		Assessment	
Core Papers										
III	Eco.-301	Political Economy of Development-I	100	35	70	25	-	-	30	10
III	Eco.-302	Evolution and Structure of Indian Economy-I	100	35	70	25	-	-	30	10
III	Eco.-303	Public Economics- I	100	35	70	25	-	-	30	10
Eco.-304 Elective Papers: Any one of the following paper										
	Eco.-304(i)	International Economics	100	35	70	25	-	-	30	10
	Eco.-304(ii)	Computer Applications for Economists -I	100	35	70	25	-	-	30	10
III	Eco.304(iii)	Regional Economics and Punjab Economy	100	35	70	25	-	-	30	10
Eco.-305 Elective Papers: Any one of the following paper										
	Eco.-305(i)	Money and Banking	100	35	70	25	-	-	30	10
	Eco.-305(ii)	Theory of Statistics	100	35	70	25	-	-	30	10
	Eco.305(iii)	Mathematical Economics	100	35	70	25	-	-	30	10
III	Eco.305(iv)	Econometrics	100	35	70	25	-	-	30	10

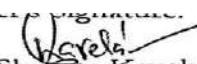


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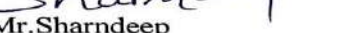
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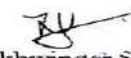
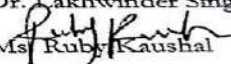
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Semester: IV										
Sr. No.	Paper Code	Paper Title	Total Marks	Min.Marks	Max. Marks	Min.Marks	Max. Marks	Min.Marks	Max. Marks	Min.Marks
			Theory		Theory Marks		Practical Marks		Assessment	
IV	Eco.-401	Political Economy of Development-II	100	35	70	25	-	-	30	10
IV	Eco.-402	Evolution and Structure of Indian Economy-II	100	35	70	25	-	-	30	10
IV	Eco.-403	Public Economics- II	100	35	70	25	-	-	30	10
Eco- 404: Any one of The following paper										
IV	Eco.-404(i)	International Economics	100	35	70	25	-	-	30	10
	Eco.-404(ii)	Computer Applications for Economists -I	100	35	70	25	-	-	30	10
	Eco.404(iii)	Regional Economics and Punjab Economy	100	35	70	25	-	-	30	10
Eco- 405: Any one of The following paper										
IV	Eco.-405(i)	Money and Banking	100	35	70	25	-	-	30	10
	Eco. 405(ii)	Theory of Statistics	100	35	70	25	-	-	30	10
	Eco.-405(iii)	Mathematical Economics	100	35	70	25	-	-	30	10
	Eco.405(iv)	Econometrics	100	35	70	25	-	-	30	10

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ECONOMICS

PAPER: MICRO ECONOMICS ANALYSIS

Code: ECO-101

L T P
4 1 0
Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: This paper aims at analyzing the economic behaviour of the firms and markets. It is mainly concerned with the objective of equipping the students in a comprehensive manner with various aspects of consumer behaviour and demand analysis.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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.

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 problem-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 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.andA.W.Walters : Micro-economics Theory, McGraw Hill, New

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4. Sen, A. : York, 1978
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
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.QuandtMcGrawHill, 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.

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ECONOMICS

PAPER: MACRO ECONOMICS ANALYSIS

Code: ECO-102

L T P
4 1 0

Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: Macroeconomics deals with the movement, fluctuations and growth in economic aggregates like income, employment, interest rates and the price level. It attempts to explain the past behaviour of such variables, predicts the likely future events, and helps policy makers to formulate the appropriate policies for improving the economic welfare of a country. The basic objective of this course is to help the learners in proper understanding of the economic aggregates.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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: approaches of Baumol and Tobin; Don Patinkin and the real balance effect; Friedman and Modern quantity theory.

Theory of Business Cycles: Samuelson and Hicks Model.

RECOMMENDED READINGS

1. Ackley, G. : Macro-economics: Theory and policy, Macmillan, New York, 1978.
2. Blackhouse, R.and A. : Macro-Economics and the Real World (eds.) (Two volumes), Salansi OUP, London, 2000
3. Branson, W.A and : Macro-economic Theory and Policy (3rd Edition), Harper York,

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- Row, New 1989.
4. Dornbusch, R.F. : Macro-economics (Seventh edition), McGraw-Hill Startz: Publishing Company Ltd., New Delhi.2000.
 5. Hall, R, E and J.B : Macro-economics. W.W. Norton, New York, 1986.
Taylor
 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.

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ECONOMICS

PAPER: BASIC QUANTITATIVE METHODS

Code: ECO-103

L T P
4 1 0

Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: The aim of this course is to introduce students with the Mathematical concepts and methods used to analyse consumer behaviours, producer behaviours and determination of price in various markets. The primary goal is to strengthen student's critical thinking and reasoning skills at planning economic research and to enable them to communicate results effectively.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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.

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. 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 (max. /min.) 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.

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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.Croxtan&D.J.Co : Applied General Statistics
wden
5. S.P. Gupta : Statistical Methods(43rd ed), S. Chand and Co; New Delhi.
6. Sancheti& Kapoor : Business Mathematics(12th ed), S. Chand and Co., New Delhi.
7. SurjanSaha : Business Mathematics and Statistics(13th revised ed), New Central Book Agency, Delhi.
8. Joshi and Aggarwal : Mathematics for Students of Economics, New Academic Publishing Co.,Jullunder, 1973.

SUPPLEMENTARY READINGS

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

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ECONOMICS

PAPER: ECONOMICS OF GROWTH AND DEVELOPMENT-1

Code: ECO-104(i)

Total Marks : 100

L T P

External Marks : 70

4 1 0

Internal Marks : 30

Time Allowed: 3 hours

External Pass Marks: 25

(Credit Hours – 60 L+15 T)

Internal Pass Marks: 10

Objective: This course offers an analytical introduction to the main aspects of the Indian economic policy and performance in the post-independent period. The main aim is to examine Indian economic problems in the light of relevant economic theory and comparative perspectives.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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: Meaning and 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-Rodin; Murphy, Shleifer and Vishny.

Theory of Growth: Harod -Domar, Kaldor and Mirrlees. Neoclassical theory of growth: Meade, Solow.

RECOMMENDED READINGS

1. Michael P.Todaro : Economic Development in the Third World(2nd ed), Longman Publishers, 1981.
2. S.S.M.Desai and Nirmal D. Bhalerao : Economic Planning and Policy, Himalaya Publishing House, 1986.
3. Sen, Amartya : Microeconomics: Theory & Applications, Oxford University Press, New Delhi, 1999.
4. Paul M. Sweezy : The Theory of Capitalist Development, Modern Reader Paperbacks, 1968.
5. Amartya Sen : Growth Economics, Published by Penguin Modern Economics ISBN- 10.1408013916

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8. Mr. Sharndeep

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6. Robert J. Barro and Sala-i- : Economic Growth(2nd ed) ,MIT Press
Martin
8. Deepak Lal : The Poverty of Development Economics(3rd ed),
Institute of Economic Affairs, 2002.
9. Gerald M. Meier : Leading Issues in Economic Development(8th ed),
Oxford University Press, 2005.
10. A.P.Thirlival : Growth and Development(7th ed), Palgrave
Macmillan, 2003.
11. Satu Kahkonen : A New Institutional Approach to economic
andMancurOlson Development, SAGE Publications Pvt. Ltd, 2001.
12. Amartya Sen. : Development as Freedom, Oxford University
Press, 2005.
13. Chenery, H. andT.N.Srinivasan : Handbook of DevelopmentEconomics Vol, 1, 2
and 3.
14. W.A.Lewis : The Theory of Economic Growth(1st ed),
Routledge Publishers, 2003.
15. J.A.Schumpeter : The Theory of Economic Development,
Transaction Publishers, 1983.
16. Ghatak, S. : An Introduction to Development Economics,
Psychology Press, 1995.

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ECONOMICS

PAPER: ECONOMICS OF DEMOGRAPHY-I

ECO-104 (ii)

L T P
4 1 0

Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: The objective of this paper is to make the students aware of the importance of population in economic development along with the established theories of population. The paper tries to educate the students the fundamentals of population studies like fertility, mortality, migration, besides the composition of population and its estimation/projection. The issues related to human development have also been incorporated into it.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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.

Structure of Population: Population trends in the twentieth century; International aspects of population growth and distribution; Determinants of age and sex structure; age pyramids and projections- individual aging and populating aging.

SECTION-B

Fertility: Meaning and Importance ; 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 fro 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 Wiley, 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.

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8. Mr. Sharndeep

3. Dr. Lakhwinder Singh Gill
6. Ms. Ruby Kaushal

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4. H.Shyrock et.al : The Methods & Materials of Demography.
Department of Commerce, Washington D.C.

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7. Ms. Anchal
8. Mr. Sharandeep

ECONOMICS

PAPER: ECONOMICS OF GENDER AND DEVELOPMENT -I

Code: ECO-104 (ii)

Total Marks :100

External Marks : 70

Internal Marks : 30

L T P
4 1 0

Time Allowed: 3 hours

External Pass Marks: 25

(Credit Hours – 60 L+15 T)

Internal Pass Marks: 10

Objective: The course will introduce the students to economic theories and economic-policy debates from gender perspective. The course will help the students to develop an understanding of the ways in which current economic realities. The course addresses gender inequalities in different economic spheres especially under changing patterns of economic activity and globalisation.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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 matrilateral 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; 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

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7. Ms. Anchal
8. Mr. Sharndeep

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3. Krishnaraj,M.,R.M, Sudarshan&A Shariff : of Social Welfare, Ministry of Education and Social Welfare, New Delhi, 1974. 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. andA.Shroff. : India: Towards Population and DevelopmentGoals, Oxford
6. Wazir, R. : The Gender Gap in Basic Education: NGC asChange Agents, Sage Publications, Ne 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 Confects in Tinker (Ed.) Persistent Inequalities: Women and World
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. andA.N Sharma : Gender and Employment in (Eds.), India Vikas Publishing House, New Delhi, 1999.

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6. Ms. Ruby Kaushal
7. Ms. Anchal
8. Mr. Sharndeep

Any one of the following:

ECONOMICS

PAPER: ECONOMICS OF AGRICULTURE-I

Code: ECO-105 (i)

L T P
4 1 0

Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: The course tries to enhance the students awareness of issues that are relevant to agriculture economics and contemporary debates in the literature and enable them to analyse these issues with basic microeconomics concepts.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Agricultural Economics: 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: 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 risk & 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. Francis R. Frankel : India's Green Revolution: Economic Gains and Political Costs, Oxford University Press , Bombay.
- 5 T.W.Schultz : Transforming Traditional Agriculture, LayallBook

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- 6 J.W.Mellor : Depot, Ludhiana.
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
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.
4. Agricultural Situation in India, Government of India.

1. Dr. Sharveta Kaushal
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3. Dr. Lakhwinder Singh Gill
6. Ms. Ruby Kaushal

ECONOMICS
PAPER: ECONOMICS OF INDUSTRY-I
Code: ECO-105 (ii)

L **T** **P**
4 **1** **0**
Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: In the contemporary world with globalization and liberalization more and more attention is being given to industry. This course intends to provide knowledge to the students on the basic issues such as productivity, efficiency, capacity utilization and debates involved in the industrial development of India. The objective is to provide a thorough knowledge about the economics of industry in a cogent and analytical manner, particularly in the Indian context.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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*, Cheltenham, U.K., 1996.
2. Barthwal, R.R. : *Industrial Economics*, Weiley Eastern Ltd. New Delhi, 1990.
3. Cherunilam, F. : *Industrial Economics: Indian Perspective*,

1. Dr. Shweta Kaushal
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7. Ms. Anchal
8. Mr. Sharndeep

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4. Chandra, P. : Himalaya Publishing House, Mumbai, 1994.
Project Preparation, Appraisal, Budgeting and Implementation, Tata McGraw-Hill Publishing, New Delhi.
5. Divine, P.J. and R.M. Jones : *An Introduction to Industrial Economics* George Allen and Unwin Ltd, London, 1976.
6. Hay, D.andD.J.Morris : *Indian Economics: Theory and Practice*, Oxford University Press, 1979.
7. Shepherd, W.G : *The Economics of Industrial Organization*(5th ed), Waveland Press,1999.

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5. Mr. K. C. Katna
6. Ms. Ruby Kaushal
7. Ms. Anchal
8. Mr. Sharandeep

ECONOMICS
PAPER: ECONOMICS OF LABOUR
Code: ECO-105 (iii)

L **T** **P**
4 **1** **0**
Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: Issues pertaining to the labour market, wage theories, employment policies, trade unions and collective bargaining in the globalised economy have become vitally important for developing countries. In a country like India where the bulk of labour force is in the unorganized sector and the organized sector is witnessing “Jobless” growth, the importance of issues such as employment and unemployment as well as livelihood and social security for the growing millions continues to assume significance. This paper exposes students to theoretical as well as empirical issues relating to the labour market with special reference to India.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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.

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BASIC READINGS

1. T.N.Bhagoliwal : Economics of Labour and Industry(5th ed), Sahitya Bhawan, 1982.
2. Jiwitesh Kumar Singh : Labour Economics, Deep & Deep Publications,2002.
3. Michael P. Todaro : Economic Development(5th revised ed), Longman Publishers,1994.
4. Benjamin Higgins : Economic Development(1st ed), Norton Publishers, 1959.
5. G.M.Meier : Leading Issues in Development Economics (8th ed), Oxford University Press, New Delhi, 2005.
6. B.J.Mclormick and E.Owen (ed.) : The Labour Marke(1st ed), Penguin Publishers,1968.
7. Lloyd G. Reynolds : Labour Economics and Labour Relations(11th ed), Prentice Hall Publishers,1997.
8. V.V.Giri : Labour Problems in Indian Industry(2nd ed), Asia Publishing House, London,1959.
9. S.C. Pant : Indian Labour Problems(2nd ed), Chaitanya Publishing House, Allahabad,1970.
10. S.C.Kuchhal : The Industrial Economy of India(7th ed), Chaitanya Publishing House, Allahabad,1969.
11. L.Misra. : Child Labour in India, Oxford University Press,New Delhi, 2000.

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.

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7. Ms. Anchal
8. Mr. Sharndeep

ECONOMICS

PAPER: HISTORY OF ECONOMICS THOUGHT-I

Code: ECO-105 (iv)

L T P
4 1 0

Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: This subject covers the economic theories of the past and their evolution and development till the present. The study of economic ideas of the past is not only challenging but also enlightening. The paper attempts to make the students of economics acquainted with the evolution of economic ideas as a response to immediate economic problems and policy issues, refining earlier analysis by correcting mistakes and filling in the gaps in the analysis.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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 Beginnings of the Modern World: Mercantilism: Rise of Mercantilism and its main ideas.

Physicracy: 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. Schumpeter, J.A : History of Economic Analysis, Oxford University Press, New York, 1954.
4. Seshadri, G.B. : Economic Doctrines, B.R. Publishing Corporation, Delhi, 1997.

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7. Ms. Anchal
8. Mr. Sharndeep

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5. Hamey, L.H. : History of Economic Thought, 1949
6. Mandel, E. : Marxist Economic Theory, 1968.

**SUPPLEMENTARY
READING LIST**

1. Blaug, M. : Economic Theory in Retrospect: A History of Economic Thought from Adam Smith to J.M. Keynes (5th
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, 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.

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7. Ms. Anchal
8. Mr. Sharndeep

SECOND SEMESTER

ECONOMICS

PAPER: MICRO ECONOMICS ANALYSIS-II

Code: ECO-201

L T P
4 1 0

Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: This paper aims to provide knowledge to the students regarding various market forms, Equilibrium of firms and industry in different markets, especially in oligopoly. This paper also deals with factor pricing, General equilibrium and welfare economics.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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. Game theory, Nash equilibrium

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.

Welfare Economics: Pigouian 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

1. Dr. Sharveta Kaushal
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6. Dr. Sharveta Kaushal
7. Ms. Anchal

8. Dr. Balwinder Singh Tiwana
9. Mr. K. C. Katna
10. Sharandeep

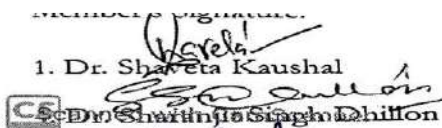
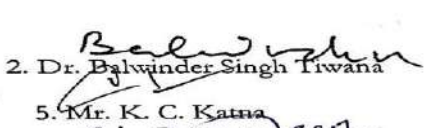
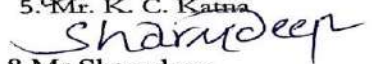
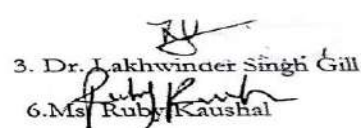

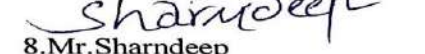
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- Press, London, 1979.
3. Layard, P.R.G & Walters A.W. : Micro-economics: Theory ,McGraw-Hill, New York, 1978.
 4. Sen.A. : Micro-economics: Theory & Applications, Oxford University Press, New Delhi. 1999.
 5. Stigler,G. : Theory of Price (4th Edition), 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.Q. : 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.

<p>1. Dr. Sharveta Kaushal</p>  <p>2. Dr. Sharveta Kaushal</p>	<p>2. Dr. Balwinder Singh Tiwana</p>  <p>5. Mr. K. C. Katna</p>  <p>8. Mr. Sharndeep</p>	<p>3. Dr. Lakhwinder Singh Gill</p>  <p>6. Ms. Ruby Kaushal</p>
<p>7. Ms. Anchal</p> 	<p>8. Mr. Sharndeep</p> 	

ECONOMICS

PAPER: MACRO ECONOMICS ANALYSIS-II

Code: ECO-202

L T P
4 1 0
Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: This course aims to help students in developing advanced analytical and theoretical skills. It covers a number of standard topics in macroeconomics for developing students' capacity for strategic reasoning. The module introduces the main theoretical contributions within each set of topics and critically assesses their strength and limitations in the light of the empirical evidence.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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 expectation; Philips curve and Lucas Island model, policy ineffective theorem; Taylor model

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 payment and exchange rate, capital mobility, Mundell-Fleming 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 inflation.

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.

READING LIST

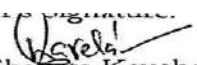

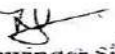
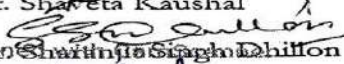
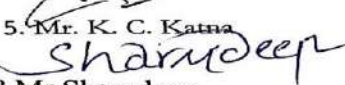
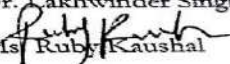


1. Bhaduri, A. : Macro-economics: They Dynamic of Commodity Production, Macmillan India Ltd. New Delhi, 1990.
2. Bo-Sodersten and G. Reed : International Economics, Macmillan Press London, 1994.
3. Dornbusch, R.,S. Fischer & R. Startz : Macro-economics. Tata Mc Grew-Hill, New Delhi, 2000.
4. Makin, A.J. : International Macro-economics, Prentice Hall, London, 2002.

1. Dr. Shaveta Kaushal
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5. Hall, R.E and J.B : Macro-economics, W.W. Norton, New Your 1986.
Taylor
6. Romer David : Advanced Macro-economics, McGraw-Hill, International
Edition, New York, 2001.
7. Turnovsky, : Methods of Macro-economic Dynamics, Prentice Hall of
Stephen,J. 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.
9. Drazen , Allan : Political Economy in Macro- economics, Orient Longman,
New Delhi, 2004
10. Levacic, Rosalind& : Macro-economics: An introduction to Keynesian-
Alexander, Redman Neoclassical Controversies, Macmillan India, 2003.
11. Sachs, Jeffery D.& : Macro-economics in the Global Economy, Prentice Hall,
Felipe B, Lorraine New Jersey, 1993.

MEMBERS SIGNATURE.

1. Dr. Sharveta Kaushal 	2. Dr. Balwinder Singh Tiwana 	3. Dr. Lakhwinder Singh Gill 
4. Dr. Sharandeep Singh Dhillon 	5. Mr. K. C. Katna 	6. Ms. Ruby Kaushal 
7. Ms. Anchal 	8. Mr. Sharandeep 	

ECONOMICS

PAPER: STATISTICAL METHODS

Code: ECO-203

L T P
4 1 0
Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: The aim of this course is to introduce students with the Mathematical concepts and methods used to analyse consumer behaviours, producer behaviours and determination of price in various markets. The primary goal is to strengthen student's critical thinking and reasoning skills at planning economic research and to enable them to communicate results effectively.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Central Tendency: 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 its 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

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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, McGraw-Hill Education Publishers, 2005.
2. S.P. Gupta : Statistical Methods (43rd ed), S. Chand and Co; New Delhi..
3. S.C. Gupta : Fundamental of Statistics (6th ed), Himalaya Publishers, 1984.
4. Joshi and Aggarwal : Mathematics for the Students of Economics (Latest Edition), New Academic Publication, Jullunder, 1973.

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.)

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ECONOMICS

PAPER: ECONOMICS OF GROWTH AND DEVELOPMENT

Code: ECO-204(i)

Total Marks :100

L T P

External Marks : 70

4 1 0

Internal Marks : 30

Time Allowed: 3 hours

External Pass Marks: 25

(Credit Hours – 60 L+15 T)

Internal Pass Marks: 10

Objective: The objective of the paper at the Master's level would be to sharpen the analytical faculty of the students, by highlighting an integrated approach to the functioning aspects of the Indian economy, keeping in view the scope for alternative approaches. Such an analysis is essential because the Indian economy is a unique amalgam of alternative competing and often conflicting theories and a proper understanding of its working is imperative if the student is to comprehend the ramifications that underlie most of the observed phenomena in the Indian economic set-up.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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 Sale 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-linkage and policy.

LIST OF READINGS

1. Michael P. Todaro : Economic Development in the Third World.
2. Robert J. Baroo and : Economic Growth.
Xavier Sala-ix-Martin
3. Gerald M. Meier : Leading Issues in Economic Development.
4. J.E. Meade : A Neo-classical Theory of Economic Growth.
5. Adelman, A. : Theories of Economic Growth and Development.
6. Chenery,H.andT.N.Sriniva : Handbook of Development Economics. Vol. 1, 2& 3.
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7. Ms. Anchal
8. Mr. Sharndeep

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9. Solow , R. M. : Growth Theory: An Exposition.
10. Mehrotra,S.andJ.Richard : Development with a Human Face.
11. Dasgupta, P., A.K. Sen& S : Guidelines for Project Evaluation.
Margin
12. Mishan, E.J. : Cost Benefit Analysis.
13. Lawrence ,G. Hines: : Environmental Issues: Population and Economics.
14. Chenery.H.B.et.al.(eds.) : Redistribution with Growth.
15. Meadows,D.H. et.al: : The Limits to Growth.
16. Anil Markandya et. al : Environmental Economics for sustainable Growth: A
Handbook for, practitioners, Edward Elgar, USA, 2002.
17. Nick Hanely and Colin J. : Issues in Environmental Economics Blackwell Publishers, UK,
Roberts (eds.) 2001.

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ECONOMICS
PAPER: ECONOMICS OF DEMOGRAPHY-II
Code: ECO-204(ii)

L **T** **P**
4 **1** **0**
Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: The study of demography is of immense importance to an economy. Population studies help us to know how far the growth rate of the economy is keeping pace with the growth rate of population.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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 and 2001 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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ECONOMICS

PAPER: ECONOMICS OF GENDER AND DEVELOPMENT

Code: ECO-204 (iii)

Total Marks :100

L T P
4 1 0

External Marks : 70

Internal Marks : 30

Time Allowed: 3 hours

External Pass Marks: 25

(Credit Hours – 60 L+15 T)

Internal Pass Marks: 10

Objective: To evaluate sources of socio-economic and demographic information for analysing the impact of the gender factor on demographic processes and economic development to become familiar with theoretical concepts in the area of gender economics become familiar with the methodology of gender analysis in economic sciences and research gender analysis indicators acquire the skills to conduct gender review of socio-economic and demographic development policies, programmes and strategies.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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; 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-agriculture rural activities, small and cottage industries and organized 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 form women's well being to women's empowerment; Democratic decentralization 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

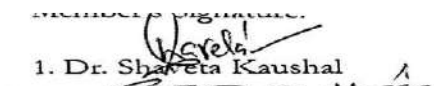


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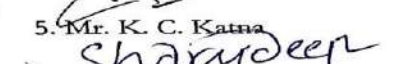
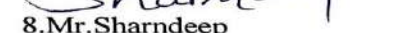
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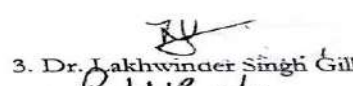
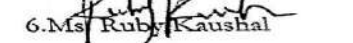
- of Social Welfare, New Delhi, 1974.
3. Krishnaraj, M. & R. M. Sudarshan : Gender, Population and Development, Oxford University A. Shariff Press, New Delhi, 1999.
 4. Seth, M. : Women and Development: The Indian Experience, Sage Publications, New Delhi, 2000.
 5. Srinivasan K. and A. : India: Towards Population and Development Goals, Oxford University Press, New Delhi, 1998.
 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
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, R. Jhabwala (Eds.) : Speaking Out: Women's & Economic Empowerment in South Asia, Vistaar publications, New Delhi, 1987.
10. Purushothaman, S. : The Empowerment of Women in India: Grassroots Women's Networks and the State, Sage Publications, New Delhi, 1998.
11. Boserup, E. : Women's Role in Economic Development, George Allen and Unwin, London.
12. Mitra, Ashok : The State of Women Literacy and Employment. Allied, Bombay.

1. Dr. Sharveta Kaushal

 2. Dr. Sharveta Singh Dhillon

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2. Dr. Balwinder Singh Tiwana

 5. Mr. K. C. Katna

 8. Mr. Sharndeeep


3. Dr. Lakhwinder Singh Gill

 6. Ms. Ruby Kaushal


ECONOMICS
PAPER: ECONOMICS OF AGRICULTURE-II

Code: ECO-205 (i)

L T P
4 1 0
Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: The objective of this subject is to provide a detailed treatment of issues in agriculture economics to those intending to specialize in this area. Starting with the explanation of theoretical questions, the course tries to enhance the students awareness of issues that are relevant to agriculture economics and contemporary debates in the literature and enable them to analyse these issues with basic microeconomics concepts.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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 thereon. 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 Trends of Corporatization of agriculture in India.

RECOMMENDED READINGS

1. C. Eicher and L. Witt : Agriculture in Economic Development. Vohra 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(67th ed), S. Chand & Co. Ltd. New Delhi.
7. Francis R. Frankel : India's Green Revolution: Economic Gains and Political

1. Dr. Sharveta Kaushal
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6. Ms. Ruby Kaushal
7. Ms. Anchal
8. Mr. Sharndeep

8. Draft of GATT : Text of Uruguay Round 1994, World Trade Centre, Agreements Final Costs, Oxford University Press, Bombay, 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.

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ECONOMICS
PAPER: ECONOMICS OF INDUSTRY-II
Code: ECO-205 (ii)

L **T** **P**
4 **1** **0**
Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: The subject of Industrial Economics is gaining increasing importance and greater attention in the globalized world. The aim of this paper is to provide knowledge to the students on the basic issues such as pricing policy, efficiency, demand analysis, forecasting, productivity, capacity utilization and the issues involved in the industrial development in India. The objective is to provide a thorough knowledge about Industrial Economics in cogent and analytical manner particularly in the Indian context.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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 TordPlander, 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 Financial 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 : Indian Economy, S. Chand and Company Ltd., New Delhi 2009
And Sundharam, K.P.M.

1. Dr. Sharveta Kaushal
2. Dr. Balwinder Singh Tiwana
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5. Mr. K. C. Katna
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8. Mr. Sharnddeep

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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.

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7. Ms. Anchal
8. Mr. Sharandeep

ECONOMICS
PAPER: ECONOMICS OF LABOUR
Code: ECO-205 (iii)

L T P
4 1 0

Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective:This paper exhibits students to theoretical as well as empirical issues relating to the labour market with special reference to India. After doing the course students would have better understanding of the working of labour market and will be able to analyse the implications of labour policies.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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 Indian: (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 sets, 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 imp promoting labour welfare.

BASIC READINGS

1. T.N. Bhagoliwal : Economics of Labour and Industrial Relations(5th ed), Sahitya Bhawan,1982.
2. Jiwitesh Kumar : Labour Economics, Deep & Deep Publications,2002.
Singh
3. Michael P. Todaro : Economic Development(5th revised ed), Longman Publishers, 1994.
4. Benjamin Higgins : Economic Development(1st ed), Nortan Publishers, 1959.

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5. G.M.Meier : Leading Issues in Development Economics(8th ed), Oxford University Press, New Delhi, 2005.
6. B.J. Mclormick and E. Owen (ed.) : The Labour Market(1st ed), Penguin Publishers, 1968.
7. Lloyd G. Reynolds : Labour Economics and Labour Relations(11th ed), Prentice Hall Publishers, 1997.
8. A.M.Cartter and F. Ray Marshall : Labour Economics, Wages, Employment, and Trade Unionis, Irwin, Homewood, Illinois., 1959.
9. V.V.Giri : Labour Problems in Indian Industry(2nd ed), Asia Publishing House, London, 1959.
10. S.C.Pant : Indian Labour Problems(2nd ed), Chaitanya Publishing House, Allahabad,1970.
11. S.C. Kuchhal : The Industrial Economy of India(7th ed), Chaitanya Publishing House, Allahabad, 1969.
12. ArunMonappa : Industrial Relations(2nd ed), Tata McGraw- Hill Education, 2012.
13. T.S. Papola and G. Rodgers (eds.) : Labour Institutions and Economics Development in India, International Institute for Labour Studies, 1992.
14. L. Misra. : Child Labor in India, Oxford University Press, New Delhi, 2000.

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.

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7. Ms. Anchal
8. Mr. Sharandeep

ECONOMICS
PAPER: HISTORY OF ECONOMICS THOUGHT
Code: ECO-205 (iv)

L **T** **P**
4 **1** **0**
Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: This course presents review of the history of economic thinking and economic analysis. Course discusses also sociological and ethical aspects of the development of economics as science, and ideology.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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.

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 :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, Wairas, Manger, Neo-classical thought: Marshall.

Welfare Economics: Hobson and Pious.

Indian Economic Thought: Ancient Indian Economic Thought: Kautilyal; Valluvar

Founders of Indian Economics: DadabhiNaoroji, G.K. Gokhale, R.C. Dutt and M. Visvesvaray.

RECOMMENDED READINGS

1. Blackhouse, R. : A History of modern Economic Analysis, Basil Blackwell, Oxford, 1965.
2. Screpanti, Emesto. : An outline of the History of Economic Thought, Clarendon & Stefano Zamagni 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.

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7. Ms. Anchal
8. Mr. Sharnddeep

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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, Merlin Press, United Kingdom 1968.
13. Gandhi, M.K : Indian of My Dreams, NavajivanPublishing House, Ahmadabad, 1947.
14. Naoroji, D. : Poverty and Un-British Rule in India(1st Indian ed), Swan Sonnenschein & Co.,Ltd., London, 1962.
15. Visvesvaraya, M. : Planned Economy of India, Bangalore Press, Bangalore City, 1934.

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.

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5. Mr. K. C. Katna
6. Ms. Ruby Kaushal
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8. Mr. Sharndeeep

MA Economics

Part II

Semester III *Semester IV*

1. Dr. Sharveta Kaushal
2. Dr. Balwinder Singh Tiwana
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6. Ms. Ruby Kaushal
7. Ms. Anchal
8. Mr. Sharandeep

ECONOMICS
POLITICAL ECONOMY OF DEVELOPMENT-I
Code: ECO-301

L **T** **P**
4 **1** **0**
Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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.

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

Scientific Socialist World Outlook: World Outlook, Idealism and Materialism, Metaphysics and Dialectics, Laws of dialectics, Categories of philosophy, Theory of cognition.

Dialectical and Historical Materialism: Its theory and method, Dialectical materialism (Materialistic conception of human/social history), Nature and role of contradictions.

Mode of Production and Social Superstructure: Factors constituting and forces governing modes of production, Social superstructure and its elements, Dialectical interaction of base and superstructure, About economic development, social transition and system transformation. Development through Social Formations.

Historical Social Formations: Rise of private property, Classes and the State, Distinguishing features of Primitive Communism/ Society, Slavery, Feudalism/serfdom, Capitalism/Imperialism and Socialism/Communism.

Asiatic Mode of Production: The concept and controversy, Characteristics of Asiatic mode. Its specific nature.

SECTION-B

Non-Marxian Theories of Development. Critique of the Bourgeois Economics:Basic assumptions, Theoretical gaps, Unscientific theoretical gaps, Unscientific theoretical structure, Inadequate guide to practice.

Mode of Punjab Economy: Its social implications, Genesis of economic development in Punjab, towards industrialization urbanization and socialization. Transition from Agrarian to Industrial Economy.

T.W. Schultz; Transformation of Traditional Agriculture: The problem, the associative efficiency, Farm size, control and incentives, Role of technological change and investment in human agent, A Critique.

Joseph A. Schumpeter; Nature & process of Capitalist Development: Framework of Analysis, Prime factors in development, Nature of development, Process of decline/end, A Critique.

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4. Dr. Sharandeep Singh Dhillon
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7. Ms. Anchal
8. Mr. Sharndeep

W .W. Rostow; Transition to Capitalism through stages of Growth: The traditional society, The pre-conditions for take -off, The take-off, The drive to maturity, The age of high mass consumption, A critique.

RECOMMENDED READINGS

1. Karl Marx & F. Engels : Manifesto of the Communist Party, Progress Publishers, Moscow, 2nd edition, pp. 34-74 (1848)
2. Joseph Stalin : Dialectical Materialism, National Book Agency, Pvt. Ltd., Calcutta, pp.5 to 48.(1978)
3. Maurice Cornforth : Dialectical Materialism, National Book Agency, Pvt. Ltd. , Calcutta, 3rd edition, Vol. 1, Chs. 2-9, Vol. II, Chs. 3-10.(1971)
4. John Eaton : Political Economy, International Publishers, New York, revised edition, Chps. 2-11.(1966)
5. J.A. Schumpeter : Theory of Economic Development & Capitalism, Socialism and Democracy.(1942)
6. W.W. Rostow : The Stages of Economic Growth, Cambridge University Press, 2nd edition, Chs. 1,2 and 10. (1960)
7. T.W. Schultz : Transforming Traditional Agriculture, Lyall Book Depot, Ludhiana, Ist Indian edition, Chs. 1-12. (1929)
8. Paul M. Sweezy : The Theory of Capitalist Development, K.P.Bagchi& Co., New Delhi, Ist Indian reprint, ,Chps. 1,2,4,5,6,8,9,14,15 & 17.(1988)
9. V.I. Lenin : Imperialism: The Highest Stage of Capitalism,Progress Publishers, Moscow, 17th ed., Chs. 1 to 10 or Lenin's Collected Works(1963)
10. Andre Gunder Frank : On Capitalist Underdevelopment, Oxford University Press, Delhi.(1975)
11. Balbir Singh : Vikas di RajnitikArthikta, Publication Bureau, Punjabi University, Patiala.(2018)
12. John S. Augustine (ed.) : Punjab Economy of Punjab: Some Fundamental Issues(menograph), Department of Economics, Punjabi University, Patiala.(1983)

SUPPLEMENTARY READINGS

1. Karl Marx : Capital, Vol, I Progress Publishers, Moscow, Chs. I,V,VII &VIII.(1867)
2. Paul A, Baran : The Political Economy of Growth, People's Publishing House, New Delhi, Indian edition, Chs. 12,5 & 8.(1962)
3. Leo Huberman : Man's Worldly Goods, People's Publishing House, New Delhi, Ist Indian edition (reprint), Parts I and II.(1935)
4. G.M.Meier (ed.) : Leading Issues in Development Economics, Oxford University Press , New York, pp.,3-47.(1964)
5. Ernest Mandel : Marxist Economy Theory, Rupa & Co., Delhi, 2nd edition.(2008)
6. Maurice Dobb, : Studies in the Development of Capitalism, Chs, 1 to 6.(1963)
Routledge& Kegan Paul
7. Harry Madgoff : The Age of Imperialism, Monthly Review Press, 2nd edition
New York and London.(1970)
8. R.S. Johar and J.S. : Studies in Punjab Economy. Guru Nanak Dev University,
Khana (ed.) Amritsar.(1983)

1. Dr. Shweta Kaushal
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2. Dr. Balwinder Singh Tiwana
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8. Mr. Sharndeeep

3. Dr. Lakhwinder Singh Gill
6. Ms. Ruby Kaushal

EVOLUTION AND STRUCTURE OF INDIAN ECONOMY-I

Code: ECO-302

Total Marks :100

L T P
4 1 0

External Marks : 70

Internal Marks : 30

Time Allowed: 3 hours

External Pass Marks: 25

(Credit Hours – 60 L+15 T)

Internal Pass Marks: 10

Objective: To check how inequalities of income and wealth reduced and provide equal opportunities for all, how planning is done and what is the role of Indian planning, to study the basic structure of the Indian Economy.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions, which will cover the entire syllabus uniformly and will carry 30 marks in all. Each short answer type of question will carry 3 marks. The candidate is required to answer 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 Development during 1857-1947: Evolution of the land tenure system. Commercialization of agriculture. The trend towards a market economy. Demographic development. Rural indebtedness. Role of foreign capital. Economic consequences of British Rule. Need for planned economic development.

SECTION-B

Agrarian reforms: New Agricultural strategy and green revolution. Production structure of Indian agriculture. Terms of trade between agriculture and industry. Development of irrigation. Nature and extent of industrialization in India. Existing production structure of the industry.

Industrial policy, 1948: Economic Reforms. Growth of large industrial houses. MSMED Act, 2006.

Role of planning commission in plan formulation.

NITI Aayog: Introduction, Objectives, Composition and Functions. Role of public and private sectors in India.

RECOMMENDED READINGS

1. Jagdish, N. Bhagwati & Sukhamoy : Contributions to Indian Economic Analysis: A survey.(1969)
2. Krishna Bhardwaj : Production Conditions in Indian Agriculture, Cambridge University Press.(1974)
3. D.R.Gadgil : The Industrial Evolution in India in Recent Times: 1862-1939; Oxford University Press.
4. P.C.Joshi : Land Reforms in India, Vikas Publishing Co.(1982)
5. David Lehmann (ed) : Agrarian Reforms and Agrarian Reformism.(1980)
6. V.B. Singh (ed) : Economic History of India 1952-1957, allied Publishers.

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7. Charan D. Wadhwa : Some problems of India's Economic Policy, Tata Mc Graw Hills Publishing Co.(1978)
8. Ruddar Datt & KPM Sudharam : Indian Economy, S. Chand & Co.(2004)
9. Romesh Dutt : The Economic History of India, Vols. I & II(1994)
10. Surendra J. Patel : Agricultural Labourers in Modern India and Pakistan.(1952)

SUPPLEMENTARY READINGS

1. M.K.Chaudhary : Trends of Socio-Economic Changes In India
2. S.Katovsky : Reforms in India.(2019)
3. Charan Singh : India's Economic Policy: The Gandhian Blue-Print, Vikas Publishing House.(1978)
4. Daniel Thorner : The Agrarian Prospects in India.(1956)
5. E.M.S. Namboodripad : Economics and Politics of India's Socialist Pattern, Chaittnay Publications.(1975)
6. Premit Chaudhry : Some Aspects of India Development, George Allen & Unwin, Bleckie (1933)
7. K.N. Raj : India, Pakistan and China: Economic Growth and Outlook. (1951)
8. Bhawani Sen : Evolution of Agrarian Relations of India, People's Publishing House.(1956)
9. P. Singh & V.B. Singh (ed.) : Social and Economic Change: Poverty and Social Change, A Study in the Economic Reorganization of Indian Rural Society, Macmillan Press.(2012)
10. Theodor Bergmann : Agrarian Reforms in India, Agricole Publishing Academy.(1984)
11. Sukhamoy Chakravarty : Development Planning: The Indian Experience, 1987,Oxford.
12. Terence J. Byres (ed.) : The State, Development Planning and Liberalization in India, Oxford, 1999.

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5. Mr. K. C. Katna
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7. Ms. Anchal
8. Mr. Sharndeep

PUBLIC ECONOMICS-I

Code: ECO-303

Total Marks :100

L T P

4 1 0

Time Allowed: 3 hours

(Credit Hours – 60 L+15 T)

External Marks : 70

Internal Marks : 30

External Pass Marks: 25

Internal Pass Marks: 10

Objective: Public sector economics is concerned with justifying the existence of governments and explaining how they can affect economic activity. Traditionally, public-sector economics has been involved with the study of how governments can deal with the failure of markets to achieve efficient outcomes.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions, which will cover the entire syllabus uniformly and will carry 30 marks in all. Each short answer type of question will carry 3 marks. The candidate is required to answer 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

Changing perspective about the Role of the Government. The government in a mixed economy; public and private sector, cooperation or competition; Government as an agent for economic planning and development; Private goods, public goods, and merit goods; Market failure and imperfections; decreasing costs, externalities of public goods.

Public Choice & Rationale of Public Policy: Private and Public mechanism for allocating resources; Problems of preference revelation and aggregation of preferences; Voting systems; Arrow impossibility theorem. Allocation of resources-provision of public goods; Market Voluntary exchange models; Achieving Social goals: poverty alleviation; provision of infrastructural facilities, removing distributional inequalities and regional imbalances. Sources of Public Revenue.

SECTION-B

Taxation: Theory of incidence: Alternative concepts of incidence; Taxable capacity: Meaning and determinants, Effects of taxation-tradeoff between equity and efficiency. Theories of taxation: Benefit and ability to pay approaches. The problem of double taxation.

Public Expenditure: Rationale for the growth of public expenditure, Wagner's law of increasing state activities: Wiseman-Peacock hypothesis; Pure theory of public spending. Planning and Programme budgeting and Zero Base budgeting. Incidence and Effects of Public Expenditure.

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3. Dr. Lakhwinder Singh Gill
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8. Mr. Sharandeep

BASIC READINGS LIST

1. Gupta J.R. And : Punjabi Suba (Sarabjanak Arthvigyan) Century, Patiala Latest Edition (Regional Language)(2019)
2. Buchanan, J.M. : The Demand and Supply of Public Goods. Rand Mc Nally, Chicago.(1968)
3. Mueller, D.C : Public Choice, Cambridge University Press, Cambridge.(2003)
4. Stiglitz, J.E. : Economics of Public Sector, Norton, New York.(2015)
5. Atkinson, A.B. and J.E. : Lectures on Public Economics, Tata Mc Graw Hill, New York.(1980)
6. Auerbach, A.J. and M. : Handbook of Public Economics. Vol. 1, North Holland, Feldstern (eds.) Amsterdam.(1985)
7. Buchanan, J.M. : The Public Finances, Richard D. Irwin, Homewood.(1958)
8. Goode, R. : Government Finance in Developing Countries, Tata Mc Graw Hill, New Delhi.(1986)
9. Houghton, J.T. : The Public Finance: Selected Readings, Penguin, Harmondsworth,(1990)
10. Jha, R. : Modern Public Economics, Routledge, London(1998)
11. Menutt, P. : The Economics of Public Choice, Edward Elgar, U.K.(2002)
12. Musgrave, R.A : The Theory of Public Finance, McGraw Hill Kogakusha, Tokyo.(1989)
13. Musgrave, R.A. and P.B. : The Theory of Public Finance, McGraw Hill Kogakhusa, Tokyo.(1989)
14. Shoup, C.S : Public Finance, Aldine, Chicago.(1969)
15. Shome, P (ed.) : Tax Policy: Handbook, Tax Division, Fiscal Affairs Department, International Monetary Fund, Washington D.C.(2016)
16. Myles G.D : Public Economics, Cambridge university Press, U.K,2008
17. John Leach, : A Course in Public Economics, cambridge University Press, U.K,2004
18. Salanie B : The Economics of Taxation, MIT Press(US),2011

ADDITIONAL READING LISTS

1. Dorfman, R.(ed.) : Measuring the Benefits of Government Investment, Brookings Institution, Washington.(1967)
2. Duff; L. : Government and Market, Orient Longman. New Delhi.(1997)
3. Friedman, A : Welfare Economics; and Social Choice Theory, Martins; Nijhoff, Boston.(1980)
4. Glennester, H. and J. : The State of Welfare: The Economic and Social spending, Oxford University Press, London.(1995)
5. Cornes, R. anT. Sandler : The Theory of Externalities, Public Goods and Club goods, Cambridge University Press, Cambridge.(1996)
6. Dutt. L. : Government and Market, Orient Longman, New Delhi.
7. Herber, B.P. : Modern Public Finance, Richard D. Irwin. Homewood.(1967)
8. Spulber, N : Redefining the State, Cambridge University Press,

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9. Gupta J.R. : Cambridge.(1997)
Burden of Tax in Punjab, Concept Publishing Company,
New Delhi.(1983)
10. Mishan E.J. : Cost-benefit Anaysis: An Informal Introduction. George
Allen and Unwin, London.(1971)
11. Peacock, A. and D.J. : Public-Expenditure: Appraisal and Control, Oliver and
Robertson (eds.) Boyd, Edinburgh.(1963)
12. Phyr. P. : Zero Base Budgeting: A Practical Management(1977)
13. Premachand, A : Control of Public Expenditure in India, Allied
Publishers, New Delhi.(1966)
14. Sahni, B.S. (ed.) : Public Expenditure Analysis: Selected Readings,
Rotherdam University Press.(1972)
15. Bird. R. and O. Oldman : Readings on Taxation in Developing Countries, The
John Hopkins University Press, Baltimore.(1956)
16. Cutt. J. : Taxation and Economic Development in India,(1969)
17. Frederic A : Praegar Publishers, New York.(1994)

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6. Ms. Ruby Kaushal
7. Ms. Anchal
8. Mr. Sharndeep

Any two of the following:

INTERNATIONAL ECONOMICS

Code: ECO-304 (i)

L T P
4 1 0

Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: It helps in assessing economic and political effects and the implication to the international trade for goods and services, finance, and foreign investment.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions, which will cover the entire syllabus uniformly and will carry 30 marks in all. Each short answer type of question will carry 3 marks. The candidate is required to answer 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

Pure Theory of International Trade: Classical, Comparative cost advantage, Opportunity cost, and factor-endowments. Theory of factor price equalization, reciprocal demand, offer curve analysis, and determination of international prices.

New Theories of International Trade: Market structure, economies of scale, intra-industry trade, product differentiation, and technology.

Gains from trade and their distribution: Terms of trade, concepts and measurement. Secular deterioration thesis of terms of trade. Emmanuel's theory of unequal exchange.

SECTION-B

Commercial policy: Free trade vs protection. Theory of tariffs: effects of tariffs; partial and general equilibrium analysis. Optimum and effective rates of tariffs. Stolper Samuelson theorem. Political economy of non-tariff barriers.

Theory of regional economic integration: Forms of integration, static and dynamic effects of customs union. Bilateral and Multilateral agreements. UNCTAD, WTO. Regional economic grouping: EU, SAARC and BRICS.

RECOMMENDED READINGS

1. A.E.A (ed.) : Readings in Theory of International Trade, George Allen & Unwin, 1970.
2. Jadish N. Bhagwati : International Trade, Penguin, London, 1969.
(ed.)
3. Bo Sodersten & : International Economics, Macmillian, London. 1994.
Geoffrey Reed

1. Dr. Shweta Kaushal
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4. C.P. Kindleberger : International Economics, Richard Irwin, 1973, Illinois.
5. I.F.Pearce : International Trade Book I and II. Norton, N.Y. 1970.
6. Sidney J. Wells : International Economics, George Allen & Unwin, London, 1996.
7. R.S.Ghuman : International Economics (Punjabi) Publication Bureau, Punjabi University, Patiala, 1996.
8. Dominic K. Salvatore : International Economics, John Wiley and Sons. 7th edition, Singapore, 2001.
9. Paul Krugman and Maurice : International Economics: Theory and Policy, Addison Wesley Longman, Singapore, Indian Re-print, 2000.

SUPPLEMENTARY READINGS

1. Anbne C. Kruger : WTO As an Organization, Oxford University Press, Delhi, 1999.
2. Robert Heller: International Trade Theory and Empirical Evidence. Prentice Hall, N.J. 1973.
3. S.Mookerjee : Factor Endowments and International Trade, Asia Publishing House, Bombay, 1958.
4. J.Vanek: International Trade Theory and policy, Richard Irwin, Illinois, 1962.
5. J.E. Meade : Theory of Customs Union, North Holland Publishing Co., Amesterdam, 1955.
6. V.N. Balasuramanyam (ed.) : Writings of International Economics by Jagdish Bhagwati, Oxford University Press, Mumbai; 1998.
7. David Greenway and L.A Winters (ed.) : Survey in International Trade, Blackwell, Oxford, 1994.

1. Dr. Sharveta Kaushal
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8. Mr. Sharndeep

COMPUTER APPLICATIONS FOR ECONOMISTS-I

Code: ECO-304 (ii)

Total Marks :100

L T P
4 1 0

External Marks : 70

Internal Marks : 30

Time Allowed: 3 hours

External Pass Marks: 25

(Credit Hours – 60 L+15 T)

Internal Pass Marks: 10

Objective: This course is useful for recording and storing economic information, especially when it pertains to a small group (such as a business) or an individual. It can be utilized in research of trends, prices, sales, and more. It can be even used to set various transactions. It also helps in calculating degree of correlation between variables

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Computer Fundamentals: Basic Computer Organization. Evolution of computers; steps in problems solving on a computer and basic computer terminology: input and output devices, storage devices.

Introduction to Software: Computer software and its types. Planning a computer program. Computer programming languages. Operating system-functions and types; commonly used DOS Commands, Broad Structure of a Statistical/ econometric package.

SECTION-B

Algorithm and Interpretation of Result: Simple Karl Pearson's Correlation; Two Variable regression, Multivariate Regression. Analysis of Variance.

Multiple Regression Analysis: Meaning, Objective, Research design of multiple regression analysis, assumptions, method and algorithm of estimation and overall model fit; Interpretation of regression output, validation of results.

BASIC READINGS

1. V. Rajaraman : Fundamentals of Computers, P-III (2014)
2. P.K.Sinha : Computer Fundamentals, BPB.(2018)
3. E. Balaguruswamy : Computer Oriented Statistical and Numerical Mehods. Macmillan.(2000)
4. Johan Methew : Numerical Methods, P-III(2000)
5. Manuals of various packages.

1. Dr. Shweta Kaushal
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5. Mr. K. C. Katna
6. Ms. Ruby Kaushal
7. Ms. Anchal
8. Mr. Sharndeep

REGIONAL ECONOMICS AND PUNJAB ECONOMY

Code: ECO-304 (iii)

Total Marks :100

L T P
4 1 0

External Marks : 70

Internal Marks : 30

Time Allowed: 3 hours

External Pass Marks: 25

(Credit Hours – 60 L+15 T)

Internal Pass Marks: 10

Objective: To study its flashback which shows that it had an eminent role in economic progress of India and its contribution to agriculture and to Indian economy was remarkable. Punjab is one of the prominent northern agrarian State of India.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Concept of Region: Type of region-homogeneous, nodal, programming, administrative and natural regions.

Regional Allocation of resources:Balanced regional development; Regional linkage-spread and backwash effects; Convergence and Divergence.

SECTION-B

Transport costs and location: Weber's theory of location; Locational and weight triangles; Locational interdependence.

Urban Development: Regional imbalance in India; Regional planning; Rural urban inequality; Growth poles and development process.

RECOMMENDED READINGS

1. Richardson, Harry W., (1976) : Regional Economics, Weidenfeld
2. Isard, Welter, (1976), : Methods of Regional Analysis, The M.I.T. Press Massachusetts and London, England, Chaps, 4,6,7,9 & 11.
3. Smith, David, (1971), : Industrial Location: An Economic Geography Analysis, Hohn Wiley, New York.

SUPPLEMENTARY READINGS

1. Parioff, Harvey et. al. : Regions, Resources and Economic Growth. University of Nebraska Press, Lincoln USA. Part II, pp.55-104.(1976)
2. Needleman,L., (ed.), 1968) : Regional Economics, Penguin Books Ltd., Part-II, Cha. 4.
3. Isard, Walter, (1956) : Location and Space Economy, Cambridge, Mass: MIT Press.
4. Hoover, Edgar M. : An Introduction to Regional Economics. New York. Alfred A. Knopf, 2nd edition.(1971)

1. Dr. Sharveta Kaushal
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7. Ms. Anchal

2. Dr. Balwinder Singh Tiwana
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8. Mr. Sharndeeep

3. Dr. Lakhwinder Singh Gill
6. Ms. Ruby Kaushal

MONEY AND BANKING

Code: ECO-305 (i)

Total Marks :100

L T P
4 1 0

External Marks : 70

Internal Marks : 30

Time Allowed: 3 hours

External Pass Marks: 25

(Credit Hours – 60 L+15 T)

Internal Pass Marks: 10

Objective: The objective of this paper is to acquaint the students with the concepts, operations, and role of money and banks. The aim is to study and appreciate their key role, especially after the implementation of economic reforms. The paper integrates theory, institutions and policy.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Money: Origin, Kinds, Functions, Near Money.

Theory of Money: Classical quantity theory of money: Keynesian theory: contribution of Tobin; Modern quantity theory (Friedman's Restatement): Liquidity theory of money (Radcliffe-Sayers and Gurley-Shaw thesis).

Supply of Money: Measures of Money supply, H-theory of money supply: (High powered money, money multiplier process, factors affecting high powered money).

SECTION-B

Commercial Banks: Definition, Classification, functions (including credit creation and its control). Theories of commercial banking, innovations in commercial banking services.

Demonetisation: Concept, Logic, Impact on Economy.

Non-Bank Financial Intermediaries: Definition, types, impact on India's economic development, measures taken to control their operations.

Cryptocurrency: Meaning and Concept

BASIC READINGS LIST

1. Suraj B. Gupta : Monetary Economics-Institutions, Theory and Policy. S.Chand and Company Ltd. Delhi,2003
2. Dudley G. Lockett: : Money and Banking.Mcgraw Hill, 1976.
3. Jayati Ghosh, : Demonetisation Decoded. A Critique of India's Currency Experiment. Routledge, New York,2017.
C.P.Chandrasekhar and Prabhat Patnraik
4. Fred R. Glahe : Macroeconomics.Harcourt Brace Jovanovich,1985.
5. H.R. Suneja : Innovations in Banking Services.Himalaya Publishing House,1994
6. C.Rana Manohar Reddy : Demonetisation and Black money.Orient Blackswan (2018)
7. Ramagopal Agarwala : Demonetisation: A Means to an End. Sage Publications

1. Dr. Shweta Kaushal
2. Dr. Balwinder Singh Tiwana
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5. Mr. K. C. Katna
6. Ms. Ruby Kaushal
7. Ms. Anchal
8. Mr. Sharndeeep

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SUPPLEMENTARY READINGS

1. R. Glenn Hubbard : Money, the Financial System and the Economy.(2007)
2. Ritter and Silber : Principles of Money, Banking and Financial Markets.(2008)
3. H.R. Machiraju : Indian Financial System.(2018)
4. R.W. Clower : Monetary Theory.(1973)
5. Srivastava, R.M : Management of Indian Financial Institutions.(1991)
6. Gurley G.J. and S.E Shaw : Money in a Theory of Finance.(1975)
7. Radcliffe : Report of Committee on the Working of Monetary System..(1959)

1. Dr. Sharveta Kaushal
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4. Dr. Sharandeep Singh Dhillon
5. Mr. K. C. Katna
6. Ms. Ruby Kaushal
7. Ms. Anchal
8. Mr. Sharandeep

THEORY OF STATISTICS

Code: ECO-305 (ii)

Total Marks :100

L T P
4 1 0

External Marks : 70

Internal Marks : 30

Time Allowed: 3 hours

External Pass Marks: 25

(Credit Hours – 60 L+15 T)

Internal Pass Marks: 10

Objective: The aim of this course is to introduce students with the Mathematical concepts and methods used to analyse correlation, regression and attributes. The primary goal is to strengthen student's solving techniques and reasoning skills by studying probability and applications of distributions.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Regression Analysis: Multiple regression and correlation. Partial regression and correlation. Step-wise regression analysis and Dummy dependent variable regression analysis.

Theory of attributes: Basic ideas, Association of attributes (excluding partial association); Manifold classification and coefficient of mean square contingency.

Curve fitting: Exponential and logarithmic, Growth curves: Gompertz, Logistic and Pareto type. Time series forecasting.

SECTION-B

Probability: Addition & Multiplication theorems; Conditional probability, Bay's theorem, Properties & application of Normal distribution. General characteristics and applications of Binomial, Poisson, normal distributions.

RECOMMENDED READINGS

1. F.E. Croxton & D.J. : Applied General Statistics Prentice Hall London and Prentice Hall of Cowden India.(1967)
2. J.N. Kapur & H.C. : Mathematical Statistics, S. Chand & Co., Pvt. Ltd. New Delhi.(2015) Sexena
3. S.P.Gupta : Statistics, Sultan Chand & Sons, New Delhi, 2006.
4. M.R. Spiegel : Theory and Problems of Statistics.(1992)
5. S.C.Gupta & V.K.Kapoor : Fundamental of Applied Statistics, Sultan Chand & Sons , New Delhi.(2014)
6. Mills, F.C : Statistical Methods, Henry Hold & Co. New York(1965)
7. T. Wonnacott & R. Wonnacott : Introductory Statistics for Business and Economics. John Wiley & Sons.(1969)
8. G.U. Yule : An Introduction to Theory of Statistics (for theory of attributes).

1. Dr. Shweta Kaushal
2. Dr. Sharmita Singh Dhillon
7. Ms. Anchal

2. Dr. Balwinder Singh Tiwana
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8. Mr. Sharndeeep

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6. Ms. Ruby Kaushal

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&M.G.Kendall

OTHER BOOKS

- 1 J.E. Freund & F.J. Willian : Modern Business Statistics, Prentice Hall, Englewood.(1969)
- 2 P.G.Hoel : Elementary Statistics, John Wiley & Sons.(1976)
- 3 P.H.Carmal : Applied Statistics for Economics, Sir Issac Pitman and Sons Ltd. London.(2012)
- 4 J.B.Freund : Mathematical Statistics, Prentice Hall.(2007)
- 5 A.M. Mood & F.A. Graybill : Introduction to the Theory of Statistics. McGraw Hill.(1963)
- 6 Ya-Lun Chou : Statistics Analysis , Hold, Rinehart and Winston, New York.(1989)
- 7 Taro Yamane : Statistics: An Introductory Analysis, Harper and Row, New York.(1973)
- 8 R.L. Grant : Statistical Quality Control, McGraw Hill Book Company, New York. (1996)

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MATHEMATICAL ECONOMICS

Code: ECO-305 (iii)

L T P
4 1 0
Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: The aim of this paper is to introduce students with the Mathematical concepts and methods used to analyse consumer behaviours, producer behaviours and determination of price in various markets.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Theory of Consumer Behaviour: Utility function-Behavioral postulates, nature and existence, demand function, compensated demand function, ordinal and cardinal utility maximization, Slutsky equation for a few and more commodities, traditional and modern derivation and its interpretation, elasticities, linear expenditure function and indirect utility function, Roy's identity, choice and risk, Von-Neuman utility function, Inter-temporal utility maximization, Revealed preference theory- the weak and strong order axioms, integrability problem, the composite commodity theorem.

Production Analysis: Homogenous and homothetic production functions, elasticity of substitution, Cobb- Douglas and CES production functions, Output and profit maximization, cost minimization traditional and modern approach, duality in production.

SECTION-B

Market Equilibrium: Price and output determination under perfect competition, monopoly and price discrimination, oligopoly and duopoly, the Cournot-Nash equilibrium. Collusion and Stackleberg model. **Commodity market and factor market equilibrium,** existence and uniqueness of equilibrium, stability of equilibrium, dynamic equilibrium with lagged adjustment, the cobweb model. Multi-market equilibrium. Walras's law and the existence of general equilibrium.

BOOKS RECOMMENDED

1. Henderson, J.M & Quandt, R.B. : Micro Economic Theory: A Mathematical Approach (3rd ed.). (1980)


1. Dr. Sharveta Kaushal
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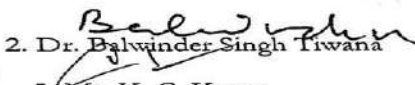
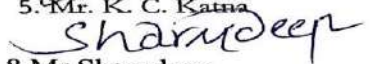
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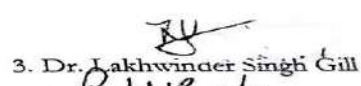
2. Allen, R.G.D. : Mathematical Economics. (1974)
3. Silberberg, E. : Mathematical Economics. (1978)
4. Lancaster, V. : Mathematical Economics. (1965)
5. Taka- Yama, A . : Mathematical Economics. (1974)
6. Kogiku, K.C. : Micro Economic Models. (1971)
7. Chiang, A.C. : Fundamental Methods of Mathematical Economics (3rd ed)(1984)
8. Dorfman, R., Samuelson. P. and Sallow, R. : Linear Programming and Economic Analysis. (1968)
9. Quirk, J. and Saposnik, R. : Introduction to General Wquilibrium Theory and Welfare Economics. (1968)
10. Intriligator, Michel d. : Mathematical Optimization and Economic Theory.. (1971)
11. Varian, H.R. : Mathematical Analysis. (1978)
12. Nehar, Phillips, A. : Economic: Microeconomic Models. (1971)
13. Mahesh Chand & Anand V.K. : Economic Theory -A Mathematical Approach. (1981)

OTHER BOOKS

1. Samuelson, Paul : Foundations of Economic Analysis. (1947)
2. Allen, R.G.D : Macro Economic Theory. (1967)
3. Malinvaud, E.D. : Lecture on Micro Economic Theory. (1972)
4. Pasinetti, L.L. : Lectures on the Theory of Production. (1977)
5. Hicks, J.R. : Value and Capital. (1946)
6. Baumol, N.J. : Economic Dynamics. (1970)
7. Nikaido, H. : Introduction to Sets and Mappingws in Modern Economics. (1972)
8. Luce, R. and Raiffa, H. : Games and Decision (ch. 14). (1957)
9. Todaro, M.P. : Development and Planning Models and Methods. (1971)
10. Baumol, W.J. (4th ed) : Economic Theory and Operations Analysis. (1978)
11. Gale, David : The Theory of Linear Economic Models. (1960)
12. Gauss, S.I. : Linear Programming: Methods and Applications. (1969)

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 7. Ms. Anchal

2. Dr. Balwinder Singh Tiwana

 5. Mr. K. C. Katna

 8. Mr. Sharnddeep

3. Dr. Lakhwinder Singh Gill

 6. Ms. Ruby Kaushal

ECONOMETRICS

Code: ECO-305 (iv)

Total Marks :100

L T P
4 1 0

External Marks : 70

Internal Marks : 30

Time Allowed: 3 hours

External Pass Marks: 25

(Credit Hours – 60 L+15 T)

Internal Pass Marks: 10

Objectives: The purpose of studying Econometrics is that it explores the relationship between statistical analysis and empirical content. It analyzes economic variables using mathematical models to make predictions and forecasts and to explain consistently occurring incidents.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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.

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

Basic Econometrics: Meaning and scope of econometrics. Two Variable Linear Regression Model: assumption; Least squares estimation; Gauss Markov Theorem; Inference in the two variable model; Goodness of fit; Concept and derivation of R^2 and adjusted R^2 : Concept of analysis; Prediction with two variables; linear regression model.

General Linear Model: General K-Variable Regression ; Model; Matrix formulation of K-variables model; assumptions; Least squares estimation; Properties of least squares estimators; Inference in the K-Variable model; Goodness of fit; prediction; Introduction to fitting of restricted regression.

Specification Error: concept of specification error in K-Variable Linear Equation; Tests for parameter consistency; Tests for structural change. Dummy explanatory variables.

SECTION-B

Problems of Regression Analysis: nature test consequences and remedial steps to the problems of Heteroscedasticity, multicollinearity, auto-correlation and Errors of measurement; Aitkin's Generalized Least Squares estimator.

University Time Series Modeling: Introduction to ARIMA modeling; Properties of ARIMA and ARIMA processes; testing for stationarity; Identification, estimation and Testing of ARIMA (1,1,0) processes.

RECOMMENDED READINGS

1. Damodar Gujarati : Basic Econometrics. McGraw Hill, New Delhi, 2017.
2. J. Johnston & J. Dinardo : Econometric Methods, McGraw Hill, New Delhi, 1997.
3. Koutsyiannis : Theory of Econometrics, Macmillan, New Delhi, 2003.

1. Dr. Shweta Kaushal
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8. Mr. Sharndeep

SUPPLEMENTARY READINGS

1. J.Johnston : Econometric Methods. McGraw Hill, New Delhi, 1992.
2. L.R.Klien : A textbook of Econometrics, Prentice Hall, New Delhi, 1978.
3. G.S.Maddala : Econometrics, McGraw Hill, New Delhi, 1977.
4. K.F. Wallis : Topics in applied Econometrics. Bray Hills, London, 1988.

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6. Ms. Ruby Kaushal
7. Ms. Anchal
8. Mr. Sharandeep

POLITICAL ECONOMY OF DEVELOPMENT

Code: ECO-401

Total Marks :100

L T P
4 1 0

External Marks : 70

Internal Marks : 30

Time Allowed: 3 hours

External Pass Marks: 25

(Credit Hours – 60 L+15 T)

Internal Pass Marks: 10

Objectives of the Paper: Aim to study Political Economy and Development track is that it studies how the interplay between the economic system, politics, and institutions allocates resources and generates incentives.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Marxian Political Economy: Basic Analysis of Capitalism: The context, Approach and methodology, Capitalism and commodity production, Labour and Law of value, Commodity fetishism, Surplus-value, Socio-economic crisis, Contradictions of capitalist development.

Analysis of Capitalist Agriculture: Capitalism in general and capitalism in agriculture. Its essence, manifestations and consequences, Its limitations and contradictions.

Process of Market Mechanism and Planning: Nature of market mechanism, Evolution of planning, Aims and forms of planning, Interaction of planning and market mechanism.

Nature and Process of Development

Nature of Capital Accumulation : Primitive capital (its) accumulation and its methods, Methods of capitalist accumulation and its limits, Methods of primitive social (its) accumulation and its limits, Features of socialist accumulation and its problems.

Process of Reproduction: Nature of reproduction Forms of reproduction, Simple and expanded reproduction, Process of capitalist reproduction and its crisis, Process of socialist reproduction and its implications.

SECTION-B

Imperialism and the Third World: Transition of Imperialism: Origin of capitalism, Rise of monopoly capitalism, context of imperialism, Marxian and non-Marxian approaches, Lenin on imperialism, Colonialism and neo-Colonialism, Methods of neo-colonialism, Forces against imperialism/neo-colonialism.

Third World Underdevelopment: Imperialism and the Third World, Mode of; underdevelopment, Methods and process of exploitation, Structure of imperialist globalization,

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7. Ms. Anchal
8. Mr. Sharndeep

Dependent development in the Third World.

Capitalist Social Planning: The State and Capitalist social planning. Its essence, purpose, substance and mode, it's alternative.

Transition of Socialism Dialectics of Transition: General consideration, Basic pre-requisites, Aims of post-revolutionary society (of socialism/communism).

Debate(S) on Transition: Need of a transition(al) period, Economic policies and tasks, Strategy of development.

Post-Revolutionary Society: Characteristics of post-capitalist society, Problems of transition, Structure of production relations under capitalism and socialism.

RECOMMENDED READINGS

1. Karl Marx & F. Engels (1977) : Manifesto of the Communist Party, Progress Publishers, Moscow, 2n edition, pp. 34-74.
2. John Eaton (1973) : Political Economy, International Publishers, New York, revised edition, Chs. 2-11.
3. Paul M. Sweezy : The Theory of Capitalist Development, 1991
4. E. Preobrazhensky : The new Economics, Oxford University Press, London, Chas 1&2., 1965
5. J. WEilczynski : The Economics of Socialism, S. Chand & Co. Ltd., New Delhi, 1st ed., Chs. 1 to 15., 1982
6. V.I. Lenin : Imperialism: The Highest Stage of Capitalism, Chs 1 to 10, 17th ed, Progress Publishers, Moscow, 1978.
7. Ranjit Sau : Unequal Exchange: Imperialism and Underdeveloped, Oxford University press, Delhi, 1978.
8. Paul M. Sweezy & Charles Bettelheim : On the Transition to Socialism, Monthly Review Press, New York & London. 2nd edition, 1972.
9. Paul M. Sweezy : Post -Revolutionary Society, Cornerstone Publications, Kharagpur, India, 2000
10. Samir Amin : Capitalism in the Age of Globalization, Madhya, Books , Delhi, 1997
11. Prabhat Patnaik : Whatever Happened to Imperialism and other Essays, Tulika, New Delhi, 1995.
12. Balbir Singh : Vikas di Rajnitik Arthikta, Publication Bureau. Punjabi University, Patiala, 2003.
13. Nirmal s. Azad : On the Proletarian State and Socialism (monograph), Department of Economics, Punjabi University, Patiala, 2004.

SUPPLEMENTARY READINGS

1. Karl Marx : Capital, Vol. I. Progress Publishers, Moscow (undated) Chs, I, V, VII & VIII.
2. Paul A. Baran : The Political Economy of Growth, People's Publishing House, New Delhi, Indian edition, Chs, 1, 2, 5 & 8, 1962.
3. Leo Huberman : Man's Worldly Goods, People's Publishing House, New Delhi, 1st Indian edition (reprint), Parts I and

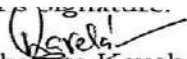
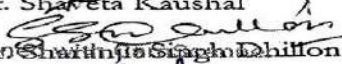

1. Dr. Sharveta Kaushal
2. Dr. Sharveta Kaushal
7. Ms. Anchal




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8. Mr. Sharnddeep

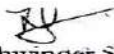
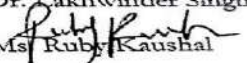
3. Dr. Lakhwinder Singh Gill
6. Ms. Ruby Kaushal

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SGTB Khalsa College SriAnandpur Sahib, Ropar (Punjab)

- I,1969.
4. Ernest Mandel : Marxist Economy Theory, Rupa & Co., Delhi, 2nd editon, 1971.
 5. Maurice Dobb : Studies in the Development of Capitalism, Routledge & Kegan Paul, London, Chs. 1to 6., 1978.
 6. Paul A . Baran &P.M . Sweezy : Monopoly Capital, Monthly Review Press, 2nd edition New York and London, 1984.
 7. Harry Mid-off : The Age of Imperialism, Monthly Review Press , 2nd edition New York and London.1982.
 8. Clive Y. Thomas : Dependence and Transformation. The Economics of the Transition of Socialism. Monthly Review Press, New York & London. 2nd modern edition, Chs, 1,2,5,6,9&10, 1976.
 9. Oskar Lange & F.M. Taylor : On the Economic Theory of Socialism, Tata McGraw Hill Publishing Company, New Delhi. Indian edition, pp, 39 to 54, 121 to 142, 1976.
 10. Oskar Lange (ed.) : Problems of Political Economy of Socialism, People's Publishing House, New Delhi, Indian edition, Chs 1to 4 &14., 1965.
 11. E.L. Wheelwright & Bruce McFarlane : The Chinese Road to Socialism, Monthly Review Press, New York & London, Penguin edition, Chs 5,8 & 10.1973.
 12. Mao Tse-Tung : A Critique of Soviet Economics, Monthly, Review Press, New York & London, Chs 1 to 5.1977.

1. Dr. Sharveta Kaushal

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 5. Mr. K. C. Katna

 8. Mr. Sharndeeep


3. Dr. Lakhwinder Singh Gill

 6. Ms. Ruby Kaushal


EVOLUTION AND STRUCTURE OF INDIAN ECONOMY-II

Code: ECO-402

Total Marks :100

L T P
4 1 0

External Marks : 70

Internal Marks : 30

Time Allowed: 3 hours

External Pass Marks: 25

(Credit Hours – 60 L+15 T)

Internal Pass Marks: 10

Objective: The aim of this paper is to show the working of banks and markets in India. It also studies the economic development and economic degradation.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Saving and capital formation in Indian Economy: Commercial banking system. Money and capital markets in India. Role of SEBI.

Infrastructure in Indian economy: Energy, Power, Transport and Communication.

Urbanisation in India: Natural Resources. Economic development and environmental degradation.

SECTION-B

Foreign Capital in India: Foreign Direct Investment and Portfolio Investment,

Concentration of economic power: Economic Inequalities, Regional imbalances, Population, Inflation, Black Money.

Current Issues: Impact of global issues on Indian Economy. Atam Nirbhar Scheme

RECOMMENDED READINGS

1. Jagdish N. Bhagwati : Contribution to Indian Economic Analysis: Survey. & Sukhamoy Chakravarty
2. Krishna Bhardwaj : Production Conditions in Indian Agriculture, Cambridge University Press, 1974.
3. V.B Singh : Economic History of India 1857-1957, Allied Publishers, 1965.
4. Charan D. Wadhwa : Some Problems of India's Economic Policy, Tata McGraw Hills Publishing Co., 1973.
5. Ruddar Datt & K.P.M : Indian Economy(67th ed) , S. Chand & Co., 2013

1. Dr. Sharveta Kaushal
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SGTB Khalsa College SriAnandpur Sahib, Ropar (Punjab)

6. J. Patel : Agricultural Labourers in Modern India and Pakistan, Current Book House, 1952.

SUPPLEMENTARY READINGS

1. S.C.Jha : Studies in the Development of Capitalism in India, People's Publishing House.
2. Michael Kidron : Foreign Investment in India, Oxford University Press.
3. Ranjit Sau : Indian Economic Growth: Constraints and Prospects, Orient Longman.
4. Premit Chaudhry : Some Aspects of India Development, George Allen & Unwin, Blackie (Index).
5. K.N.Raj : India: Pakistan and China: Economic Growth and outlook .
6. B. Singh & V.B.Singh : Social and Economic Change: Poverty and Social Change, a Study in the Economic Reorganization of India Rural Society, Macmillan Press.
7. Daniel Thomer & Alice Thurner : Labour in India. Vol. 16, 1981.
8. Arun Kumar : Black Economy in India. 1999, Penguin, New Delhi.
9. Amit Bhaduri and Deepak Nayar : Intelligent Readers Guide to Liberalization, Penguin, New Delhi. 1996.
10. Dreze, Jean and Amartya : Economic Development and Social Opportunity , Oxford University Press, New Delhi, 1995.

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6. Ms. Ruby Kaushal
7. Ms. Anchal
8. Mr. Sharandeep

PUBLIC ECONOMICS-II

Code: ECO-403

Total Marks :100

L T P

4 1 0

Time Allowed: 3 hours

(Credit Hours – 60 L+15 T)

External Marks : 70

Internal Marks : 30

External Pass Marks: 25

Internal Pass Marks: 10

Objective: The objective of studying this course is that it tells us about public debts, redemption methods and policies used to reduce the budgetary deficits. This paper also explains the various tax systems prevailing in India.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Public Debt: Classical view of public debt; Compensatory aspect of debt policy; Classification of public debt; effects of public debt. Burden of public debt. Principles of debt management. Methods of debt redemption.

Fiscal Policy: Objectives of fiscal policy- full employment, anti-inflation, economic growth, redistribution of income and wealth; Interdependence of fiscal and monetary policies; Budgetary deficits and their implications. Balanced budget multiplier.

SECTION-B

Fiscal Federalism: Principles of multi-unit finance; Fiscal federalism in India-constitutional provisions and challenges; Assignment of functions and sources of revenue; Finance Commission and Planning Commission. Reports of Finance Commission in India- Criteria for transfer of resources; Centre-state financial relations in India; Problems and prospects; Transfer of resources from Union to States and local bodies.

Indian Public Finances: Indian tax system, Revenue of the Union, State and local bodies; Major taxes in India: taxation of agriculture, expenditure tax, VAT and taxes on services; Elementary Introduction to GST, Analysis of Centre and State government budgets. Trends in public expenditure and public debt; Fiscal crisis and fiscal sector reforms in India.

BASIC READINGS LIST

1. Musgrave, R.A and Masgrace. P.B. : Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tekye, 1976.
2. Shoup, C.S. : Public Finance, Aldine, Chicago, 1970.

1. Dr. Sharveta Kaushal
2. Dr. Balwinder Singh Tiwana
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4. Dr. Sharveta Singh Dhillon
5. Mr. K. C. Katna
6. Ms. Ruby Kaushal
7. Ms. Anchal
8. Mr. Sharnddeep

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3. Kaldor, N. : An Expenditure Tax, George Allen and Unwin; London.1955.
4. Musgrave R.A and C. Shoup : Readings in the Economics of Taxation, George Allen and Unwin, London.
5. Barman, K. : Public Debt Management in India, Uppal Publishing House, New Delhi, 1986.
6. Buchanan J.M. : Public Principles of Public Debt. A Defence And Restatement. Richaard D Irwin Homewood, 1958.
7. Ferguson, J.M. : Public Debt and Future Generations, North Carolina University Press. Chapel Hill, 1964.
8. Sreekantaradhya, B.S : Public Debt and Economic Development in India, New Delhi, 1972.
9. American Economic Association : Readings in Fiscal Policy, George Allen and Unwin, London, 1955.
10. Government of India : Long Term Fiscal Policy, New Delhi, 1985.
11. Gupta J.R. : Fiscal Deficits of State in India, Atlantre Publishers. Publishers, 2001.
12. Peacock, A and G.K, Shaw : The Economic Theory of Fiscal Policy, George Allen and Unwin, London, 1976.
13. Bhargave, R.N. : The Theory and Working of Union Finance in India Chatanya Publishing House, Allahabad, 1967.
14. Bhargava, P.K. : Centre State Resouce Transfers in India. The Academic Press. Gurgaon, 1982.
15. Chelliah, Raja J. : Trends and Issues in India's Federal Finance, National Institute of Public Finance and Policy, New Delhi, 1981.
16. Gulati, I.S. : Centre State Financial Relations: An assessment of the Role of Finance Commission, M.S. University of Baroda, Baroda, 1979.
17. Lakdawala; D.T. : Essays in Fiscal Federalism, Greenwood West Port, 1977.
18. Oates, W.E. : Fiscal Federalism, Harcourt Brace and Johanowich, New York, 1972.

Reports of various Finance Commission.

1. Srivastava, D.K. : Fiscal Federalism in India, Har-Anand Publication Ltd. New Delhi. (2000)
2. Myles G.D : Public Economics, Cambridge university Press, U.K,2008
3. John Leach : A Course in Public Economics, cambridge University Press, U.K,2004
4. Salanie B, : The Economics of Taxation, Mit Press,2011
5. Gupta J.R. And Harvinder Kaur : (Sarabjanak Arthvigyan) Century, Patiala Latest Edition (Regional Language)

ADDITIONAL READING LIST

1. Bhargava, R.N. : Indian Public Finances, B.D. Bhargava and Sons, Chandausi,1969.
2. Bhargava P.K : Taxation of Agriculture in India. Vora and Co. Bombay.1976.

1. Dr. Sharveta Kaushal
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3. Bhargava, P.K : Some Aspects of Indian Public Finances, Uppal Publishing House, New Delhi, 1984.
4. Chelliah, R.J. : Towards Sustainable Growth, Oxford University Press, New Delhi, 1977.
5. Gandhi , V.P . : Some Aspects of India's Tax Structure, Vora and company, Bombay, 1970.
6. Government of India : Reports of the Tax Reforms Committee Interim and Final (Chairman: Raja J. Chelliah), 1992.
7. Jain , A.K. : Taxation of Income in India, Macmillan Company of India Ltd. , New Delhi, 1975.
8. Jain.I . : Resource Mobilization and Fiscal Policy in India, Deep & Deep Publication, New Delhi, 1988.
9. Kumar, A : Public Finance Policy: Issues for India, Oxford University Press, New Delhi, 1999.
10. Sinch T. : The Corporation Tax in India, Classical Publishing company, New Delhi, 2000.

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8. Mr. Sharndeep

INTERNATIONAL ECONOMICS-II

Code: ECO-404 (i)

L T P
4 1 0
Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objectives of the Paper: This paper aims at showing the economic interactions of a nation and its consequences on international issues. It also helps in assessing economic and political effects and the implication to the international trade for goods and services, finance and foreign investment.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Foreign Exchange Market: Organization, SWIFT and functions. Exchange Rate: Spot and forward, fixed and flexible, Foreign exchange risks, hedging and speculation, Foreign exchange options and futures, Determination of exchange rate: Mint parity, purchasing power parity and monetary approach.

Balance of payments: Concepts and components, Equilibrium and disequilibrium in balance of payments. Adjustments under different exchange rate systems. Policy for correcting disequilibrium in balance of payments: expenditure reduction and switching, devaluation and absorption approach.

SECTION-B

International Capital Movement: Long term and short term, portfolio and direct investing public and private flows. Multinational Corporation: causes for foreign investment, effects on the investing and host country.

International Monetary System: Gold Standard, Bretton Woods system and Post-Bretton Woods System.

IMF: Functions, Organization and lending mechanism. International Liquidity. International Institutions: IBRD, ADB, IFC and IDA. Theory of International reserves. WTO and global situation.

RECOMMENDED READINGS

1. Bo Soderten & Geoffrey : International Economics, Macmillan, London. 1994.

1. Dr. Shweta Kaushal
2. Dr. Balwinder Singh Tiwana
3. Dr. Lakhwinder Singh Gill
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6. Ms. Ruby Kaushal
7. Ms. Anchal
8. Mr. Sharndeep

PG Department of Economics
SGTB Khalsa College SriAnandpur Sahib, Ropar (Punjab)

2. C.P. Kindleberger : International Economics, Richard Irwin, 1973, Illinois.
3. R.S. Ghuman. : International Economics, John Wiley and Sons, 7th edition, Singapore, 2001.
4. Paul Krugman and Maurice Obstfeld : International Economics: Theory and Policy, Addison Wesley Longman, Singapore, Indian Re-Print, 2000

SUPPLEMENTARY READINGS

1. Anbne O. Kruger : WTO as an Organization, Oxford University Press, Delhi, 1999.
2. Richard Caves : Trade and Economic Structure, Harvard University Press, 1963.
3. R.N. Cooper : International Finance, Penguin Book, Baltimore, 1969.
4. Robert Helier : International Trade Theory and Empirical Evidence, Prentice Hall, N.J. 1973.
5. J.E.Meade : The Theory of International Economic Policy, Vol.1 and Balance of Payments Vol .II Oxford University Press, London 1970.
6. R.A Mundel & J.J. Polek : The New International Monetary System. Columbia University Press N.Y., 1977.
7. L.B. Yeager : International Monetary Relations, Harper & Row, 1966, N. York.
8. Maurice D. Levi : International Finance, McGraw- Hill, New Delhi, 1996.

1. Dr. Sharveta Kaushal
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8. Mr. Sharandeep

3. Dr. Lakhwinder Singh Gill
6. Ms. Ruby Kaushal

COMPUTER APPLICATIONS FOR ECONOMISTS-II

Code: ECO-404 (ii)

Total Marks :100

L T P

External Marks : 70

4 1 0

Internal Marks : 30

Time Allowed: 3 hours

External Pass Marks: 25

(Credit Hours – 60 L+15 T)

Internal Pass Marks: 10

Objective: The aim to study computer applications is that it helps in solving simultaneous linear equations, creating research designs, interpreting the factors and validating the results.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Factor Analysis: Meaning of factor analysis, Objective and research design; assumptions; Procedure of deriving factor and assessing overall fit, interpretation of factor, validation of factors.

Multi-Dimensional Scaling: Working of MDS; Objective, Research design of MDS; Assumptions, Procedure of Deriving MDS solution and assessing overall fit; Interpretations of MDS results, validation of MDS solution and assessing overall fit; Interpretations of MDS results, validation of MDS results. The concept of correspondence analysis.

SECTION-B

Multivariate Analysis of Variance: Meaning, assumptions, Procedure of estimation of MANOVA model, interpretation of MANOVA results, Validation of results; the concept of logistic regression.

Multiple Discriminate Analysis: Meaning, Objective, Research Design for discriminate analysis, assumptions, interpretation of results, validations of results.

BASIC READINGS

1. M.G.Kendal : Multivariate Analysis, PHI
2. Fruchter : Introduction to Factor Analysis, East-West Press.
3. E Balaguruswany : Computer Oriented Statistical and Numerical Methods, Macmillan.
4. Johan Methew : Numerical Methods, PHI.
5. Garret and Wood worth : Statistics in Psychology and Education DEC.

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7. Ms. Anchal
8. Mr. Sharnddeep

REGIONAL ECONOMICS AND PUNJAB ECONOMY

Code: ECO-404 (iii)

Total Marks :100

L T P
4 1 0

External Marks : 70

Internal Marks : 30

Time Allowed: 3 hours

External Pass Marks: 25

(Credit Hours – 60 L+15 T)

Internal Pass Marks: 10

Objective: This paper will help the students in assessing the growth of the Punjab economy as this paper contains the concepts of both agricultural development and industrial development of Punjab. It also shows the tax structure and tax collection pattern of Punjab.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Structure of Punjab Economy: Nature of Punjab economy after re-organization of Punjab; Occupational Pattern and unemployment; Impact of liberalization, privatization and globalization.

Agriculture: Nature and problems of Punjab agriculture: Cropping pattern; Capital formation; Productivity, Land reforms; Agricultural finance; Agricultural labour; Role of organizations. Agrarian Distress and its implications.

SECTION-B

Industrial Development: Industrial pattern; Major industries; Role of public and private sector, Industrial employment; Industrial labour; Trade unions and their role; Capital formation.

Tax structure and tax collection in Punjab; Public Expenditure; Public Debt.

Urbanization: Nature and problems; Population and its composition; Human Resource Development

BOOKS

1. Johar, R.S. and J.S. Khana : Studies in Punjab Economy, Guru Nanak Dev University , Amritsar.
2. Bawa, R.S. and P.S. Raikhy : Punjab Economy: Emerging Issues, Guru Nanak Dev University, Amritsar, 2000.
3. Jammu, P.s. : Globalisation and Punjab, Punjab Academy of Social Science, Literature and Culture, 2001.
4. R.N. Soni : Leading Issues in Agricultural Economics, (1997).
5. Johl, S.S. : Future of Punjab Agricultural, CRRID, Chandigarh.

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PG Department of Economics
SGTB Khalsa College SriAnandpur Sahib, Ropar (Punjab)

6. Johi, S.S and S.K. Ray : Future of Agriculture in Punjab CRRID, Chandigarh, 2002.
7. All India Kissan Sabha : Golden Jubilee Series, New Delhi, 1986.
8. Singh, Master Hari : Agricultural Workers Struggle in Punjab PPH, New Delhi, 1980.
9. Surjeet, H.K.S. : The History of the Kisan Sabha, National Book Agency, New Delhi, 1996.
10. Singh, Pritam, : Political Economy of Punjab, M.D. Publications Pvt. Ltd., 1997.
11. A Report : Agricultural : Pattern, Adjustment Programme in Punjab for Production Productivity and Growth. (Govt. of Punjab, Oct. 2002).
12. Lakhwinder Singh and : Economic Transformation of a Developing Nirvikar Singh Economy: The Experience of Punjab, India, Springer, 2016.
13. Singh, L., K.S. Bhangoo : Agrarian Distress and Farmers Suicides in North and R. Sharma India, Routledge, New Delhi. 2016.

JOURNALS

1. PSE Economy Analyst, Guru Nanak Dev University, Amritsar.
2. Indian Journal of Labour Economics.

DOCUMENTS

1. Reports and other relevant documents of the different Kisan Unions/ Organization, Agricultural Workers Union/ Organization and Industrial Workers Trade Unions/Organization.

1. Dr. Sharveta Kaushal
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MONEY AND BANKING

Code: ECO-405(i)

L T P
4 1 0
Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: The objective of the paper is to acquaint the students with the concepts, operations, and role of money and banks. The aim is to study and appreciate their key role, especially after the implementation of economic reforms. The paper integrates theory, institutions and policy.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Central Bank: Definition, functions, techniques of monetary management. Reserve Bank of India.

Monetary Policy: Concept, goals, targets and indicators, instruments, recent trends in monetary policy of Reserve Bank of India.

Term Structure of Interest Rates (Structure of Interest Rates in India)

Banking Sector Reforms in India: Review of Narasimham Committee Reports (1991 and 1998),

Regulation of Banking System (Laissez Faire Banking).

SECTION-B

International Monetary System: Historical background, Bretton Woods System and its breakdown, contemporary monetary system. Working and lending operations of IMF, IBRD, IDA, IFC, MIGA and Asian Development Bank.

International Banking: Evolution, Alternative organizational formats, control of International Banks.

BASIC READINGS LIST

1. Suraj B. Gupta : Monetary Economics- Institutions, Theory and Policy. S. Chand and Company Ltd., New Delhi, 2003.
2. L.M.Bhole : Financial Institutions and Markets. Tata Mcgraw Hill Publishing Co. Delhi, 2004.
3. Govt. of India : Report of the Committee on the Financial System, 1991.
4. Kevin Dowd : Laissez-Faire Banking. Routledge London, 1993.
5. Gaurav Datt, Ashwani Mahajan and Datt : Indian Economy (latest edition.) S. Chand and Company Ltd., New Delhi, 2003.

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6. John S. Evans : International Finance. The Dryden Press, USA, 1992.
 7. V. Sharan : International Financial Economics. Prentice Hall of India, 2001.
 8. Bo Sodersten and G. Reed : International Economics, Paperbacks, 1974.
 9. Royal Economic Society : The Economic Journal, Vol. 106. No. 436, May 1996.
 10. Krugman.P., Obstfeld.M., Melitz.M. : International Economics Theory and Policy, Pearson Education of India, ISBN: 9789332586550.

SUPPLEMENTARY READINGS

1. Govt. of India : Economic Survey (various issues):
2. Economic and Political Weekly : Specific Issues on Money Banking and Finance.
3. S.S Tarapore : Issues in Financial Sector Reforms.
4. David Glasner : Free Banking and Monetary Reforms.
5. Reserve Bank of India : Report on Trend and Progress and Banking in India (Various issues)

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THEORY OF STATISTICS

Code: ECO-405 (ii)

L T P
4 1 0

Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: The primary goal is to strengthen student's critical thinking and reasoning skills at planning economic research and to enable them to communicate result effectively. The basic aim to study statistics is that it provide methods of organizing and simplifying data so that their significance is comprehensible.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Estimation: Point estimation and interval estimation, Properties of point estimates, Maximum likelihood estimates.

Statistical hypothesis: Two-tailed and one-tailed tests.

Types I and II Errors: Level of significance. Critical region.

Large and small samples. Tests of significance based on Normal, 't', 'F' and 'Z' distributions. Testing the significance of means, proportions, correlation and regression coefficients and their interpretation.

SECTION-B

Elementary knowledge of quality control and its simple applications. Planning and organization of socio-economic surveys. Preparation of questionnaire, Type of sampling.

Elementary knowledge of Analysis of Variance (one-way and two way classification) and Analysis of Covariance, Non-Parametric Tests-Chi-square test, and sign-test.

RECOMMENDED READINGS

1. F.E.Croxton & D.J. Cowden : Applied General Statistics. Prentice Hall London and Prentice Hall of India.
2. J.N. Kapur & C. Sexena : Mathematical Statistics, S. Chand & Co. Pvt. Ltd., New Delhi.
3. S.P. Gupta : Statistical Sultan Chand & Sons New Delhi, 2006.
4. M.R.Speigal : Theory and Problems of Statistics.
5. S.C. Gupta & V.K. : Fundamental of Applied Statistics, Sultan Chand &

1. Dr. Shaveta Kaushal
2. Dr. Sharandeep Singh Dhillon
7. Ms. Anchal

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8. Mr. Sharndeep

3. Dr. Lakhwinder Singh Gill
6. Ms. Ruby Kaushal

PG Department of Economics
SGTB Khalsa College SriAnandpur Sahib, Ropar (Punjab)

- Kapoor
6. F.C. Mills : Sons, New Delhi.
7. T. Wonnacott and R. : Statistical Methods. Henry Hold & Co., New York.
Wonnacott : Introductory Statistics for Business and Economics,
John Wiley & Sons.
8. G.U. Yule & : An Introduction to Theory of Statistics (for theory
M.G.Kendall. : of attributes).

Supplementary Readings:

1. J.E. Freund & F.J. : Modern Business Statistics, Prentice Hall ,
William : Englewood.
2. P.G. Hoel : Elementary Statistics, John Wiley & Sons.
3. P.H. Carmal : Applied Statistics for Economics, Sir Issac Pitman
and Sons Ltd., London.
4. J.E. Freund : Mathematical Statistics, Prentice Hall.
5. A.M. Mood and : Introduction to the Theory of Statistics, McGraw
F.A.Graybill : Hill.
6. Ya Lun Chou : Statistical Analysis, Hold, Rinehart and Winston,
New York.
7. Taro Yamane : Statistics, An Introductory Analysis, Harpar and
Row New York.
8. R.L. Grant : Statistical quality Control, McGraw Hill Book
Company,

1. Dr. Sharveta Kaushal
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4. Dr. Sharandeep Singh Dhillon
5. Mr. K. C. Katna
6. Ms. Ruby Kaushal
7. Ms. Anchal
8. Mr. Sharandeep

MATHEMATICAL ECONOMICS

Code: ECO-405 (iii)

L T P
4 1 0

Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective of this Paper: The objective of this paper relies on statistical observations to prove and predict economic behavior. It also explains the observable phenomenon and provides the backbone for theoretical interpretation.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 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

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

Macro Economics: The Classical model and the Keynesian model, Hicks-Hansen version of the Keynesian model , the fiscal policy and the balanced budget theorem, liquidity trap and the efficiency of monetary policy, comparative static's in the classical and Keynesian models, stability analysis and the correspondence principle.

Growth models: Harrod-Domar growth model and its stability, the Solow model, basic neo-classical growth models, the Golden Age problem, technical progress and stability of neo-classical models.

Trade Cycles: General concepts, Hicks-Samuelson multiplier-accelerator interaction model.

SECTION-B

Linear Programming: Activity analysis interpretation of a linear program, the simplex method and the revised simplex, the dual and its economic interpretation, complimentary slackness conditions, duality theorems and application of linear programming to the theory of firm. Introduction to non-linear programming, Kuhn-Tucker conditions.

Input-Output analysis: Static-open and closed models, viability conditions, activity analysis, interpretation of input-output model, aggregation problem, substitution theorem, cost and price determination.

Game Theory: Two person zero-sum non-co-operant game, pure and mixed strategies, loner programming formulation of a matrix, methods of solving a game problem, fair game and conversion of linear programming problem, fair game and conversion of linear programming problem into game and conversion of linear programming problem into game problem.

1. Dr. Shweta Kaushal
2. Dr. Balwinder Singh Tiwana
3. Dr. Lakhwinder Singh Gill
4. Dr. Sharandeep Singh Dhillon
5. Mr. K. C. Katna
6. Ms. Ruby Kaushal
7. Ms. Anchal
8. Mr. Sharndeep

RECOMMENDED BOOKS

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|-----|---|---|---|
| 1. | Henderson, J.M.& Quandt, R.B. | : | Micro Economic Theory: A Mathematical Approach (3 rd ed.), 1980. |
| 2. | Allen, R.G.D. | : | Mathematical Economics, 1974. |
| 3. | Silberberg, E. | : | The Structure of Economics- A Mathematical Analysis, 1978. |
| 4. | Lancaster, V. | : | Mathematical Economics, 1965. |
| 5. | Take-Yama, A. | : | Mathematical Economics, 1974. |
| 6. | Kogiku, K.C. | : | Micro Economic Models, 1971. |
| 7. | Chiang, A.C. | : | Fundamental Methods of Mathematical Economics (3 rd ed.), 1984. |
| 8. | Dorfman, R., Samuelson, P. and Sallow, R. | : | Linear Programming and Economic, 1968. |
| 9. | Quirk, J. and Saposnik, R. | : | Introduction to General Theory and Welfare Economics, 1968. |
| 10. | Intriligator, Michel D. | : | Mathematical Optimization and Economic Theory, 1971. |
| 11. | Green, H.A.J. | : | Consumer Theory, 1971. |
| 12. | Varian, H.R. (1978) | : | Microeconomic Analysis, 1978. |
| 13. | Nehar, Phillips, A. | : | Economic Growth and Development : A Mathematical Introduction, 1971. |
| 14. | Mehta, B.C. | : | Mathematical Economics: Microeconomic Models, 1987. |
| 15. | Mahesh Chand & Anand V.K. | : | Economic Theory-A Mathematical Approach, 1981. |

OTHER BOOKS

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|-----|-------------------------|---|---|
| 1. | Samuelson, Paul | : | Foundations of Economic Analysis, 1974. |
| 2. | Allen, R.G.D. | : | Macro Economic Theory, 1967. |
| 3. | Malinvaud, E.D. | : | Lecture on Micro Economic Theory, 1972. |
| 4. | Pasinetti, L.L. | : | Lectures on the Theory of Production, 1977. |
| 5. | Hicks J.R. | : | Value and Capital, 1946. |
| 6. | Baumol, N.J. | : | Economic Dynamics, 1970. |
| 7. | Nikaido, H. | : | Introduction to Sets and Mappings in Modern Economics, 1972. |
| 8. | Leontief, W.W. | : | Input-Output Economics, 1966. |
| 9. | Luce, R. and Raiffa, H. | : | Games and Decision (Ch.14), 1957. |
| 10. | Todaro, M.P. | : | Development and Planning Models and Methods, 1971. |
| 11. | Baumol, W.J. | : | Economic Theory and Operations Analysis, 4 th ed., 1978. |
| 12. | Gale, David | : | The Theory of Linear Economic Models, 1960. |
| 13. | Gauss, S.I. | : | Linear Programming Methods and Applications, 1969. |

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8. Mr. Sharndeep

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6. Ms. Ruby Kaushal

ECONOMETRICS

Code: ECO-405 (iv)

L T P
4 1 0

Time Allowed: 3 hours
(Credit Hours – 60 L+15 T)

Total Marks :100
External Marks : 70
Internal Marks : 30
External Pass Marks: 25
Internal Pass Marks: 10

Objective: This paper helps in the development of analytical skills to a level where students can evaluate critically any econometrics research output and design and carry out themselves the research projects.

INSTRUCTIONS TO THE PAPER-SETTER

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 10 marks. Section C will consist of 10 short-answer type questions which will cover the entire syllabus uniformly and will carry 30 marks in all. Each short answer type question will carry 3 marks. The candidate is 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

Dynamic Econometric Models: Auto regressive and Distributive Lag Models-Koyck Model, Partial adjustment and adaptive expectation model, Problems of auto-correlation; Almond approach to distributed lag models.

Simultaneous Equation Models: Structural form and reduced form; Concept of identification; Methods for estimation –Indirect Least Squares, Two Stage Least Squares.

SECTION-B

Discrete and Limited Dependent Variables Models: Type of discrete choice models; the linear probability model; Introduction to formulation of regressions with dummy dependent variables- Probit, Logit and Obit models.

Panel Data Techniques: Sources and types of panel data; Fix effects model; Random effect model; Random coefficients model.

Multivariate Analysis: Principle Components; Discriminate Analysis.

RECOMMENDED READINGS

1. Damodar Gujarati : Basic Econometrics, McGraw Hill, New Delhi, 1995.
2. J. Johnston & J. Dinardo : Econometric Methods, McGraw Hill, New, Delhi, 1997.
3. Koutsoyiannis : Theory of Econometrics, Macmillan, New Delhi, 1978

SUPPLEMENTARY READINGS

1. J. Johnston, : Advanced Econometric Methods, McGraw Hill, New

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PG Department of Economics
SGTB Khalsa College SriAnandpur Sahib, Ropar (Punjab)

- Carter Hill, Delhi, 1992, Springer-Verlag New York Inc., ISBN :
et.al. 9780387968681.
2. L.R. Klien : A Textbook of Econometrics, Vol 1, Issue 2, Peterson &
Co.,1954.
3. G.S. Maddala : Econometrics. McGraw Hill, New Delhi, 1977.
4. K.F.Wallis : Topics in Applied Econometrics, Bray Hills, London, 1980.
ISBN: 10.0816610177

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