

CHAMAN LAL MAHAVIDHYALAYA

(AUTONOMOUS)

LANDHAURA, MANGLAUR ROAD, HARIDWAR

AFFILIATED

SRI DEV SUMAN UTTARAKHAND UNIVERSITY, BADSHAHITHAUL, TEHRI GARHWAL, UTTARAKHAND



PG SYLLABUS
STRUCTURE OF M.A. ECONOMICS SYLLABUS
(2024 - 2025)

Surinder Singh



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LIST OF MEMBERS OF BOARD OF STUDIES

S.N O.	NAME OF THE MEMBERS	DESIGNATION	NOMINATED AS	SIGNATURE
1.	Dr. Vimal Kant	Sr. Assistant Prof.	Chairman	
2.	Dr. Raviraj Singh	Assistant Professor	Member	
3.	Dr. Brij Mohan Prasad	Assistant Prof.	Member	
4.	Sh. Neeraj Kush	Sr. Adovacate	Member	
5.	Purnima	Ex Student	Member	
6.				
7.				
8.				

SYLLABUS
FOR
M.A.
ECONOMICS
BASED ON
SEMESTER SYSTEM
WITH EFFECT FROM SESSION 2018-19
DEPARTMENT OF ECONOMICS
SRI DEV SUMAN UTTARAKHAND
VISHWAVIDYALAYA
BADSHAHITHAUL
(TEHRI GARHWAL)

Respected *Prof.* *A*

Course Structure for M.A. (ECONOMICS) under
Semester System to come into force from Academic Session 2018-19

M.A. ECONOMICS
(SEMESTER-WISE)

Sri Dev Suman Uttarakhand Vishvavidyalaya, Badshahithaul (Tehri Garhwal)

M.A. ECONOMICS
INTRODUCTION
(SEMESTER STRUCTURE)
STRUCTURE OF SYLLABUS

The Master of Arts (M.A) in Economics is a two year full-time programme. The course is organized over two years, each year consisting of two semesters. The candidates enrolled in M.A (Economics) Programme will have to pass four semester examinations comprising of Core and Elective papers. The entire P.G. Syllabus of Economics is spread over in four semesters consisting of 16 papers in total out of which 14 papers are assigned to the Core Courses (compulsory courses) and the remaining 02 papers are elective (optional) courses. First and second semester have each four core courses which are compulsory. Third and Fourth semester have each three core courses which are compulsory and one elective course from available options. The second semester will have an additional evaluation in the form of Viva-voce. The fourth semester will also have an additional evaluation in the form of either dissertation or Viva-voce. Viva-Voce will be based on student's knowledge acquired during the entire course. The candidates have to cover a total of 16 papers in core and elective courses and 01 viva-voce in second semester and 01 dissertations or Viva-Voce in fourth semester to qualify for a two years master's degree. The course break-up for all the four semesters is as follows:

Semester-I: 4 (Four) Core (Compulsory courses)

Semester-II: 4 (Four) Core (Compulsory courses)

&

Viva-Voce

Semester-III: 3 (Three) Core (Compulsory courses)

&

1 (one) Elective* (Optional course)

*The candidates will have to choose one elective course from available options during third semester.

Semester-IV: 3 (Three) Core (Compulsory courses)

&

1 (one) Elective* (Optional course)

*The candidates will have to choose one elective course from available options during fourth semester.

&

Dissertation/Viva-Voce (Any One)

Structure of the Examination

Apart from dissertation* all the other courses in each semester will have two basis for evaluation of students.

1. End-term examination: These exams will be conducted at the end of every semester and will carry 80 marks.



2. Internal sessional assessment test: One internal sessional assessments test will be conducted by the department and will comprise of 20 marks. This internal sessional assessment test will be conducted before the end-term examination. The internal evaluation will be based on classroom attendance, participation in class-room seminars and written tests etc.

Note:.. Students will have to attain pass marks (45 per cent) in both end-term examination and internal sessional assessment separately.

*Evaluation method in Dissertation: Performance of student in Dissertation will be evaluated on the following three tier basis:

- | | |
|-----------------------------------|----------|
| (a) Dissertation | 70 Marks |
| (b) Periodical Presentation (One) | 10 Marks |
| (c) Viva Voce | 20 Marks |
| Total: 100 Marks | |

M.A (Economics)
First year
Semester-I

S. No.	Course No.	Name of the Course	Total Marks	Duration of the Examination	Marks		
					End Semester Examination	Internal Assessment	Total Marks
1.	PG/ECO(C)/101	Micro Economics-I	100	2 Hours	80	20	100
2.	PG/ECO(C)/102	International Economics	100	2 Hours	80	20	100
3.	PG/ECO(C)/103	Quantitative Methods and Statistical techniques	100	2 Hours	80	20	100
4.	PG/ECO(C)/104	Uttarakhand Economy	100	2 Hours	80	20	100
Total			400				400

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**First year
Semester-II**

S. No.	Course No.	Name of the Course	Total Marks	Duration of the Examination	Marks		
					End Semester Examination	Internal Assessment	Total Marks
1.	PG/ECO(C)/201	Micro Economics-II	100	2 Hours	80	20	100
2.	PG/ECO(C)/202	Macro Economics	100	2 Hours	80	20	100
3.	PG/ECO(C)/203	Economics of Growth and Development	100	2 Hours	80	20	100
4.	PG/ECO(C)/204	Indian Economic Policy	100	2 Hours	80	20	100
5.	PG/ECO(C)/205	Viva-Voce					100
Total			500				500

**Second year
Semester-III**

S. No.	Course No.	Name of the Course	Total Marks	Duration of the Examination	Marks		
					End Semester Examination	Internal Assessment	Total Marks
1.	PG/ECO(C)/301	Public Finance	100	2 Hours	80	20	100
2.	PG/ECO(C)/302	Monetary Economics	100	2 Hours	80	20	100
3.	PG/ECO(C)/303	Research Methodology	100	2 Hours	80	20	100
4.	PG/ECO(E)/304 (i)	Agricultural Economics Or Labour Economics Or Gender Economics Or Computer	100	2 Hours	80	20	100
	PG/ECO(E)/304 (ii)		100	2 Hours	80	20	100
	PG/ECO(E)/304 (iii)		100	2 Hours	80	20	100
	PG/ECO(E)/304 (iv)		100	2 Hours	80	20	100

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		Application in Economic Analysis					
Total			400				400

**Second year
Semester-IV**

S. No.	Course No.	Name of the Course	Total Marks	Duration of the Examination	Marks		
					End Semester Examination	Internal Assessment	Total Marks
1.	PG/ECO(C)/4 01	Industrial Economics	100	2 Hours	80	20	100
2.	PG/ECO(C)/4 02	Economic Planning	100	2 Hours	80	20	100
3.	PG/ECO(C)/4 03	Economics of Human Development	100	2 Hours	80	20	100
4.	PG/ECO(E)/4 04 (I)	Demography Or Economics of Co- Operation Or History of Economic Thought Or Econometrics	100	2 Hours	80	20	100
	PG/ECO(E)/4 04 (II)		100	2 Hours	80	20	100
	PG/ECO(E)/4 04 (III)		100	2 Hours	80	20	100
	PG/ECO(E)/4 04 (IV)		100	2 Hours	80	20	100
5.	PG/ECO(C)/4 05	Dissertation/Viva-Voce (Any One)					100
Total			500				500

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M.A. (ECONOMICS)

FIRST Year

Semester-I

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MICRO ECONOMICS-I

Course Name: Micro Economics-I

Course No: PG/ECO (E) 101

Maximum Marks: 100

(a) Semester Examination: 80 Marks

Duration of Examination: 2 Hours

(b) Sessional Assessment: 20 Marks

Unit-1

Micro Economics: - Definition, Nature, Scope, Importance & Limitations, Micro and Macro Economics, Deductive and Inductive Methods, Static and Dynamic Economics, Positive and Normative Economics, Basic Economic Problems: Scarcity & Choice, Equilibrium Analysis, Economic Models.

Unit-2

Law of Demand, Elasticity of Demand, Meaning, Types and Measurement, Consumer Surplus: Marshall's Measurement, Measurement through Indifference Curves., Indifference Curve Technique, Properties, Consumer's Equilibrium, Price, Income & Substitution Effects, Derivation of Demand Curve. Revealed Preference Theory of Demand, Hicks Revision of Demand Theory.

Unit-3

Production Possibility Curve, Production Function: Short Run and Long Period, Law of Variable Proportions and Returns to Scale, Iso-Quants: Least Cost Combination of Inputs, Cobb-Douglas and CES-Production Function, Euler's Theorem;

Unit-4

Opportunity Cost, Fixed and Variable Cost, Average, Marginal and Total Cost, Short Run and Long Run Cost Curves, Revenue Concepts: Average, Marginal and Total Revenue, Revenue Curves Under Different Market Conditions.

SUGGESTED READINGS: (LATEST EDITIONS)

Ahuja, H. L: Advanced Economic Theory, S. Chand & Co., New Delhi

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

Chauhan. S.P.S. Microeconomics: Theory and Applications, PHI Learning Pvt. Ltd., New Delhi – 110001.

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B.

INTERNATIONAL ECONOMICS

Course No: PG/ECO (C) 102

Course Name: International Economics

Maximum Marks: 100

Duration of Examination: 2 Hours

(a) Semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Unit-1

Concept of Inter-Regional and International Trade, Importance of International Trade, Theories of International Trade: Adam Smith- Absolute Cost Advantage and Ricardo- Comparative Cost Advantage, Law of Reciprocal Demand, Offer Curve Analysis, Modern Theory of International Theory, Theorem of Factor Price Equalization, the Heckscher-Ohlin Theorem.

Unit-2

Economic Growth and Effects on International Trade, Measurement of Gains from Trade and their Distribution, Concepts of Terms of Trade, their Uses and Limitations, Hypothesis of Secular Deterioration of Terms of Trade, Terms of Trade and LDC's, Trade as an Engine of Economic Growth, Its Welfare Implications.

Unit-3

Foreign Exchange Rate: Meaning, importance, Determination of Exchange Rate, Theories of Exchange rate, Mint Parity Theory, Purchasing power Parity Theory, Exchange Control: Objectives, Procedure, Methods Exchange Control, Free Trade v/s protection, Trade Barriers, Tariffs, Quotas and Non-Tariffs Barriers, Economic Effects of Tariffs and Quotas on National Income, Output and Employment.

Unit-4

Balance of Trade and Balance of Payments: Meaning, Components, Structure, Capital and Current Account, Equilibrium and disequilibrium in the BOPs, Causes of Disequilibrium in BOP and Methods of Correcting Disequilibrium, IMF, World Bank and Asian Development Bank, Their Achievements and Failures, W.T.O. and its Impact on the Different Sectors of the Indian Economy, Recent Changes in the Direction and Composition of Foreign Trade in India, Recent EXIM Policy.

SUGGESTED READINGS: (LATEST EDITIONS)

Aggarwal, M.R. Regional Economic Cooperation in South Asia, S. Chand and Co., New Delhi.

Bhagwati, J. (Ed.) International Trade, Selected Readings, Cambridge, University

Brahmananda, P.R. The IMF Loan and India's Economic Future, Himalaya Publishing House, Bombay.



QUANTITATIVE METHODS AND STATISTICAL TECHNIQUES

Course Name: Quantitative Methods and Statistical techniques
Course No: PG/ECO (C) 103
Duration of Examination: 2 Hours

(a) Semester Examination: 80 Marks
(b) Sessional Assessment: 20 Marks

Unit-1

Meaning, Scope, Importance and Limitations of Statistics, Collection of Data: Primary and Secondary, Census and Sampling Methods of Data Collection, Classification and Tabulation of Data, Measures of Dispersion: Standard Deviation, Co-efficient of Variation, Co efficient of Skewness: Karl Pearson's and Bowley's Methods.

Unit-2

Karl Pearson's Coefficient of Correlation, Rank Correlation Coefficient, Significance of Regression, Regression Lines and Equations, Fitting of Lines of Regression by the Least Squares Method, Association of Attributes: Yule's Coefficient of Association, Time Series: Components, Secular Trend and Short Time Oscillations. Fitting trend curves.

Unit-3

Meaning and Importance of Index Numbers Fisher Ideal Index Number, Time Reversal and Factor Reversal Test; Interpolation and Extrapolation: Binomial, Newton's and Lagrange Methods, Meaning and Definition of Probability, Probability Rules, Addition and Multiplication Rule, Conditional Probability.

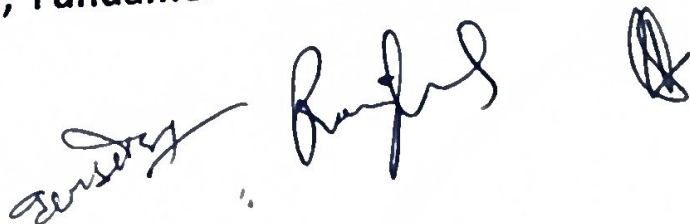
Unit-4

Equation of a Straight Line; Elementary Knowledge of Differential Calculus, Problem of Maxima & Minima in Single and Multivariate functions, Matrix: Basic Concepts of Matrices, Simple Operations on Matrices. Determinants: Basic Properties of Determinants, Solution of Simultaneous Equations with Determinant Method.

SUGGESTED READINGS: (LATEST EDITIONS)

Allen, R.G.D., Mathematical Analysis for Economists, Macmillan Press and ELBS, London.

Chiang, A.C., Fundamental Methods of Mathematical Economics, McGraw Hill, New York.



UTTARAKHAND ECONOMY

Course Name: Uttarakhand Economy

Course No: PG/ECO(C) 104

Maximum Marks: 100

(a) Semester Examination: 80 Marks

Duration of Examination: 2 Hours

(b) Sessional Assessment: 20 Marks

Unit-1

Uttarakhand Economy: A macro Glance, Natural Resources: Land, Water, Minerals, Forests, Power Resources, Population Dynamics: Growth, Composition, Density, Rural- Urban Population; Migration, Unemployment, Remedies, Anti- Poverty and Employment Generation Programmes, Trends in State Income, Sources of State Finances, Targets and Achievements of Plans and Current Year Budget, Growth of SDP, PCI, HDI.,

Unit- 2

Agriculture: Land Use Pattern in Uttarakhand, Production, Cropping pattern, Productivity, Yield of Major Crops, Horticultural/Plantation Crop, Trends in Fruit and Vegetable Production and Productivity, Floriculture, Sericulture, Role of Agriculture and Horticulture in State Domestic Product, Agricultural Marketing: Problems, Sources of Agricultural Finance, Live Stock Economy, Critical Evaluation of Government Policies on Agriculture and Horticulture Sector.

Unit - 3:

Trends and Patterns in Industrial Growth, Large Scale and Small-Scale Industries of Uttarakhand, Irrigation and Power Sector, Rural Industrialization, Trends in Hydro Power Generation in Uttarakhand, Environmental Issues Related to Industrialization and Power Projects In Uttarakhand, Regional Imbalance: Causes and Consequences, Measures to Reduce Imbalances, Labour Welfare Measures and Skill Development Programmes.

Unit-4

Transport and Communications: Road, Rail and Air, Banking, Housing, Health Care Infrastructure, Mortality, Reproductive Health, Maternal Nutrition and Child Health Policies, Education: Literary Trends in the State, Major Achievements and Failures, Tourism inflow, Revenue and Development

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M.A. (ECONOMICS)
FIRST Year
Semester-II

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MICRO ECONOMICS-II

Course Name: Micro Economics-II

Course No: PG/ECO(C) 201

Maximum Marks: 100

(a) Semester Examination: 80 Marks

Duration of Examination: 2 Hours

(b) Sessional Assessment: 20 Marks

Unit-1

Perfect Competition: Features, Price Determination, Equilibrium of the Firm and Industry, Monopoly: Price and Output Determination, Discriminating Monopoly: Price Discrimination, Equilibrium under Discriminating Monopoly, Regulation of Monopoly through Taxation and Price Regulation.

Unit-2

Monopolistic Competition: Price and Output Determination, Excess Capacity, Selling Cost. Oligopoly: Price and Output Determination, Cournot's Model and Chamberlin's Model of Oligopoly, Kinked Demand Curve theory, Game Theory of Oligopoly, Duopoly: Price and Output Determination.

Unit-3

Theory of Distribution: Micro Theories of Distribution, Rent (Ricardian and Modern theories), Wages (Marginal Productivity and Modern Theories), Interest (Neo-classical, Liquidity Preference Theories, IS-LM model) and Profit (Knight and Shackle Theories), Euler's theorem.

Unit-4

Welfare Economics: Concept of social welfare, Pareto optimality criterion and efficiency conditions, Market failures, Kaldor-Hicks Criterion, Compensation principle, Bergson-Samuelson Social welfare function, Arrow's Impossibility Theorem.

SUGGESTED READINGS: (LATEST EDITIONS)

Archibald, G.C. (Ed.), Theory of the Firm, Penguin, Harmondsworth

Bain, J., Barriers to New Competition, Harvard University Press, Harvard.

Broadway, R.W. and N. Bruce, Welfare Economics, Basil Blackwell, London Cambridge.

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

H.L. Ahuja (2008), Advanced Economic Theory, S.Chand publication, New Delhi

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MACRO ECONOMICS

Course Name: Macro Economics

Course No: PG/ECO(C) 202

Maximum Marks: 100

(a) Semester Examination: 80 Marks

Duration of Examination: 2 Hours

(b) Sessional Assessment: 20 Marks

Unit-1

Macro Economics: Meaning, Nature, Scope, Importance and Limitations. Distinction between Macro Economics and Micro Economics, Types of Macro Economics, Basic Concepts of Macro Economics, Post Keynesian development in Macro Economics: Monetarism; Supply-side Economics; New Classical Economics: Rational Expectation Theory, Macro Economic Variables, Stocks and Flows, Problem of Aggregation:

Unit-2

Meaning and Different Concepts of National Income, Importance and Difficulties in Measurement of National Income, Circular Flow of Income In Two, Three and Four Sector Economy, Measurement of National Income, National Income Accounting: Social Accounting, Green Accounting, Input-Output Accounting and Balance of Payments Accounting: Meaning of Consumption, Income – Consumption Relation, APC and MPC, Determinants of Consumption Function.

Unit-3

Meaning and Determinants of Investment, Long and Short Run Shifts in Investment Function, Marginal Efficiency of Capital (MEC), Determinants of MEC, Principle of Accelerator, Multiplier and Super Multiplier, Classical Theory of Income and Employment; Criticism against Classical Theory, Keynes's Theory of Income and Employment: Criticism of Keynes's Theory, Keynes's Theory and Under-Developed Countries.

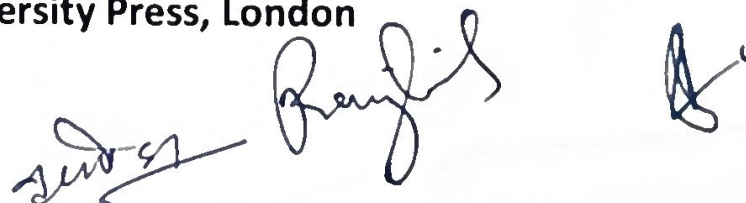
Unit-IV

Business Cycles: Meaning, Characteristics and Phases of Business Cycles, Theories of Business Cycles: Hawtrey, Hayek, Keynes and Schumpeter, Business Cycles: Models of Samuelson, Hicks and Kaldor, Control of Business Cycles, Relative Effectiveness of Monetary and Fiscal Policies.

SUGGESTED READINGS:(LATEST EDITIONS)

Ackley, G. Macroeconomics : Theory and Policy, Macmillan, New York

Blackhouse, R. and A. Salansi (Eds.) Macroeconomics and the Real World (2 Vols.), Oxford University Press, London



ECONOMICS OF GROWTH AND DEVELOPMENT

Course Name: Economics of Growth and Development

Course No: PG/ECO(C) 203

Maximum Marks: 100

(a) Semester Examination: 80 Marks

Duration of Examination: 2 Hours

(b) Sessional Assessment: 20 Marks

Unit-1

Concepts of Growth and Development, Difference between Growth and Development, Characteristics and Measurement of Development, Factors affecting Economic Growth, Characteristics of Under Developed Countries, Poverty – Absolute and Relative, Measuring Development: Basic Needs, Per Capita Income, Human Development Index and Physical Quality of Life Index, Impediments to Economic Growth.

Unit-2

Theories of Development: Adam Smith, Ricardo, Malthus, Karl Marx Theory, Schumpeter's Theory, Keynes Theory of Economic Development, Restow's – Theory of Stages of Economic Growth, Rosentein Rodan's Big Push Theory, Harvey Leibenstein's Critical Minimum Effort Theory, Lewis Theory, Nurkse Theory of Economic Development.

Unit-3

Role of Capital Formation in Economic Development, Choice between Rapid Capital Formation and Rapid increase in Income, Role of Technology in Economic Development, Choice of Appropriate Technology, Strategies for Development: Balanced versus Unbalanced Growth and Capital intensive Versus Labour-Intensive Strategies, The Environment and Development, Investment Criteria, Cost-Benefits Analysis.

Unit-4

Sectoral Aspects of Development, Role of Agriculture in Economic Development, Efficiency and Productivity In Agriculture, Agricultural Policy In Developing Countries, Rationale and Pattern of Industrialization in Developing Countries, Terms of Trade

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between Agriculture and Industry; Infrastructure and Economic Development, Trade and Economic Development- International Trade as Engine of Growth.

SUGGESTED READINGS: (LATEST EDITIONS)

- Adelman, Theories of Economic Growth and Development, Stanford University Press, Stanford.
- Behrman, S. and T.N. Srinivasan, Handbook of Development Economics, Vol. 3, Cambridge
- Brown, M. On the Theory and Measurement of Technical Change, Cambridge
- Chenery, H. and T.N. Srinivasan (Eds.), Handbook of Development Economics, Vols. 1 & 2, Elsevier, Amsterdam.
- Chenery, H.B. et. al. (Eds.), Redistribution with Growth, Oxford University Press, Oxford.
- Dasgupta, P. An Enquiry into Well-being and Destitution, Clarendon Press, Oxford.
- Elsevier, Amsterdam.
- Ghatak, S. An Introduction to Development Economics, Allen and Unwin, London.
- Gillis, M., D.H. Perkins, M. Romer and D.R. Snodgrass (1992), Economics of Development, W.W. Norton, New York.
- Gimmell, N, Surveys in Development Economics, Blackwell, Oxford.
- Higgins, B, Economic Development, W.W. Norton, New York.
- Hogendorn, J., Economic Development, Addison, Wesley, New York.
- Kahkonen, S. and M. Olson, A New Institutional Approach to Economic Development, Vistaar.
- Kindleberger, C.P, Economic Development, (3rd Edition), McGraw Hill, New York.
- Oxford.
- Todaro, M.P, Development Planning : Models and Methods, Oxford University Press, Oxford.

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INDIAN ECONOMIC POLICY

Course Name: Indian Economic Policy

Course No: PG/ECO(C) 204

Maximum Marks: 100

(a) Semester Examination: 80 Marks

Duration of Examination: 2 Hours

(b) Sessional Assessment: 20 Marks

Unit-1

Features and Characteristics of the Indian Economy, Endowment of Natural Resources, Demographic Features, National Income, Trends and Structure of National Income, Poverty and Inequality, Nature, Policy & Implications, Growth and Structural Change in the Indian Economy, Employment Trends in Organized and Unorganized Sector.

Unit-2

Conventional and Non-Conventional Energy Development in India, Energy Policy, Transport, Social Infrastructure in India, Indian Financial System, Issues of Financial Inclusion, Financial Sector Reforms, Review of Monetary Policy of R.B.I., Economic Reforms- Rationale of Economic Reforms, Liberalization, Privatization and Globalization of the Economy.

Unit - 3:

Role of Agriculture, Productivity, Cropping Pattern, Technical Changes in Agriculture, Land Reforms, Pricing Policy, Role of Industry, Structure and Pattern, Public versus Private Sectors, Industrial Policy of India, Role of Service Sector in Indian Economy, Banking Sector in India, Money and capital markets; Issues in export-import policy, Foreign Capital and MNCs in India

Unit - 4:

Basic socio-economic issues: Poverty, illiteracy, unemployment, inequality in the distribution of income, child labour, bonded labour, Gender Discrimination, Brain drain, Rural-Urban Migration, Impact of New Economic Policy on Poverty, Unemployment and Inequality in the Distribution of Income – Employment and Education Policies in India.

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M.A. (ECONOMICS)

Second Year

Semester-III

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PUBLIC FINANCE

Course Name: Public Finance

Course No: PG/ECO(C) 301

Maximum Marks: 100

(a) Semester Examination: 80 Marks

Duration of Examination: 2 Hours

(b) Sessional Assessment: 20 Marks

Unit-1

Public Economics: Issues and Concepts, Role of Government, Fiscal Functions of the Government, Allocation, Distribution and Stabilization-Co-ordination among these Functions, Market Failure, Imperfections, Decreasing Costs, Externalities, Private Goods, Public Goods and Merit Goods.

Unit-2

Theory of Public Expenditure, Structure and Growth of Public Expenditure, Canons of Expenditure, Kinds and Reasons for Growth in Public Expenditure, Effects of Public Expenditure on Production and Distribution, Wagner's Law of Increasing State Activities, Wiseman- Peacock Hypothesis, Public Budget, Performance and Programming, Zero-Base Budgeting, Balanced Budget, Analysis of Recent year Budgets of India and Uttarakhand.

Unit-3

Taxation: Principle of Taxation, Benefit Received Theory, Ability to Pay Approach, Principle of Maximum Social Advantage, Taxable Capacity: Meaning, Types and Measurement, Impact, Incidence and Effects of Taxation, Characteristics of a Good Tax System, The Indian Tax System: Major Taxes in India, Direct and Indirect Taxes, GST, Recent Reforms in Direct and Indirect taxes in India.

Unit-4

Public Debt: Meaning, Burden & Sources of Public Debt, Public Debt Management; Repayment of Public Debt, Fiscal Policy for Stabilization, Indian Fiscal Policy since 1991, Non-tax revenue of Centre, State and local bodies, Center-State Financial Relationship in India, Problems of State Resources and Indebtedness, Transfer of Resources From Union and State to Local Bodies, Recommendations of Latest Finance Commission.

SUGGESTED READINGS: (LATEST EDITIONS)

Ashutosh Raravikar, Fiscal Deficit and Inflation in India, Macmillan India Ltd. New Delhi.

Atkinson, A.B. and J.E. Siglitz, Lectures on Public Economics, Tata McGraw Hill, New York.

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MONETARY ECONOMICS

Course Name: Monetary Economics	Maximum Marks: 100
Course No: PG/ECO(C) 302	(a) Semester Examination: 80 Marks
Duration of Examination: 2 Hours	(b) Sessional Assessment: 20 Marks

Unit-1

The Definition of Money: Function and Types of Money, Nature and Functions of Money, Classification of money, Role of money in Economic development, Role of Money in a Capitalist and Socialist Economy; Meaning and Types of Monetary Standards, Monetary Standards, Gold, Silver and Paper.

Unit-2

Demand for Money: Fisher, Cambridge and Keynesian Approach, Approaches of Friedman, Patinkin, Baumol and Tobin, Meaning and Definitions of Inflation, Causes, Effects and Control of Inflation, Inflationary Gap, Phillips Curve and Rational Expectations, Theories of Inflation, view of Monetarists, Keynesians and Structuralists.

Unit-3

Commercial Banking: Functions, Credit Creation by Commercial Banks and Credit Creation Multiplier, Major Developments in Commercial Banking in India since Nationalization and During Post Economic Reforms, Banking Sector Reforms, Functions of a Central Bank, Quantitative and Qualitative Methods of Credit Control, Role, Objectives and Functions of Reserve Bank of India.

Unit -4

Concepts of Monetary Resources: Mobilization of Resources. Money Supply (M_1 , M_2 , M_3 , M_4): Monetary Policy and Credit Policy: Concepts, Objectives, tools, Role and Limitations, Recent Monetary Policy in India, Monetary Management in India, Inflation in India, Financial Sector Reforms in India, Banking Soundness and Macro Economic Management.

SUGGESTED READINGS: (LATEST EDITION)

Dornbusch, R. and F. Stanley, Macroeconomics, McGraw Hill, Inc., New York.

Gupta, S.B. Monetary Economics-Institutions, Theory and Policy, S.Chand publication, New Delhi

Gupta, S.B. Monetary Planning in India, Oxford University Press, New Delhi

Gurley, J. and E.S. Shaw, Money in a Theory of Finance, Brookings Institution,

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RESEARCH METHODOLOGY

Course Name: Research Methodology

Course No: PG/ECO(C) 303

Maximum Marks: 100

(a) Semester Examination: 80 Marks

Duration of Examination: 2 Hours

(b) Sessional Assessment: 20 Marks

Unit-1

Meaning of Research, Pure and Applied Research, Social Science Research: Objectives, Meaning, Nature and Importance of Social Science Research, Limitations in Social Science Research, Research Methods and Methodology, Criteria of Good Research, Review of Literature and Identifying Research Problem, Formulation of a Research Problem, Complete Research Process, Research Design: Meaning, Importance and Types, Steps in Preparing a Research Design, Features of Good Research Design

Unit-2

Quantitative Methods, Use of Secondary Data, constructing a Questionnaire and Designing a Survey, Merits and Demerits of Survey Methods, Types of Survey, Selecting the Survey Method, Sample Survey, Different Types, Merits and Demerits, Qualitative Methods, The Case Study Methods, Merits and Demerits, Participant Observation, Interview Methods, Open and Closed, Structured and Unstructured, Focused Group Discussions, Process Documentation.

UNIT-3

Processing: Editing, Coding, Classification, Objects, Rules, Tabulation, Preparation of a Statistical Table, Requisite of a Good Table, Types of Tables, Format of a Simple One-Way Table, Three Way Table, Classification and Tabulation, Graphs and Diagrams, Measures of Central Tendencies, Dispersion and Correlation, Percentage, Bi-Variate Presentation, Statistical Analysis and Testing of Hypothesis, T, Z, F and Chi Square Tests, Statistical Software, MS Excel and SPSS Package.

Unit-4

Reports: Types of Reports, Steps in Report Writing, Structure and General Format of Research Report Writing Styles, Writing the Report, Presentation, Presentation of Tables, Diagrams, Charts and Maps, Documentation: Appendices, Use of Footnotes, Citation, Endnotes, References and Bibliography, Role of Computer in Research and Reporting.

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AGRICULTURAL ECONOMICS

Course Name: Agricultural Economics	Maximum Marks: 100
Course No: PG/ECO (E) 304(I)	(a) Semester Examination: 80 Marks
Duration of Examination: 2 Hours	(b) Sessional Assessment: 20 Marks

Unit-1

Meaning, Nature and Scope of Agricultural Economics, Need for a Separate Study of Agricultural Economics, Role of Agriculture In Economic Development, Regional Disparities in Indian Agriculture, Interdependence between Agriculture and Industry and between Agriculture and the Rest of the Economy, Agricultural Development, Poverty and Environment.

Unit-2

Agricultural Production, Trends of Agriculture Growth under the Plans, Inter Regional Variations, Land Reforms, Measures and Performance, Land Holding, Sub-division and Fragmentation, Technology in Agriculture, Meaning, Objectives, Factors and Limitations, Use of Modern Technology, Green Revolution, Mechanization of Indian Agriculture, Use of Biotechnology in Agriculture, Impact of Technological Changes on Agricultural Production.

Unit-3

Agriculture Finance in India, Importance, Sources, Institutional and Non-Institutional, Role of Commercial Banks, Regional Rural Banks, Role of NABARD, Agricultural credit, Challenges, Opportunities, Strategies, Unorganized Credit System, Agricultural Rural Credit Institutions, Agriculture Labour: Classification, Characteristics and Conditions, Agricultural Wages in India, Male-Female Wage Differences, Programmes for Improving the Conditions of Agricultural Labour,

Unit-4:

Agricultural Marketing and Prices, Agricultural Marketing, Defects in Agricultural Marketing, Corrective Measures, Regulated and Co-operative Marketing, State Policy with Respect to Agricultural Marketing, Warehousing; Prices, Crop Insurance, Agricultural Price Policy, Objectives, Instrument, Evaluation, Food Security, Agricultural Prices and Public Distribution Scheme (PDS).

Sunder Raj

LABOUR ECONOMICS

Course Name: Labour Economics

Course No: PG/ECO (E) 304(II)

Maximum Marks: 100

(a) Semester Examination: 80 Marks

Duration of Examination: 2 Hours

(b) Sessional Assessment: 20 Marks

Unit-1

Labour Economics: Concept, Nature, Scope and importance of Labour Economics, Characteristics of the Indian Labour Market, Labour in the Unorganized Sector, Meaning, Definitions and causes of Child Labour, Constitutional and Legislative Provisions and Measures to Regulate Child Labour, Women Workers, Discrimination and Gender Bias in Treatment of Labour and Protective Measures.

Unit-2

Wage Determination Theory: Classical, Neo-Classical & Collective Bargaining Theory, Concepts of Minimum Wage, National Wage Policy In India, Industrial Disputes, Nature and Causes of Industrial Disputes, Impact of Industrial Disputes, Settlement and Preventive Mechanism of Industrial Disputes in India, Industrial Act 1947 and Amendments, Collective Bargaining, Adjudication and Arbitration Role of Judicial Activism.

Unit-3

Unemployment: Concept, Types, and Measurement Particularly in India, Employment and Development Relationship, Poverty and Unemployment in Developing Countries, Analysis of Educated Unemployment, Employment Policy in Five Year Plans and Its Evaluation. Labour Welfare: Introduction and Objectives, Labour Welfare Activities in India, Social Security, Introduction, Features, Social Security and Social Insurance in India.

Unit-4

Trade Unions, Introduction, Nature, Characteristics and Functions, Growth, Pattern and Structure of Trade Unions in India, Achievements and Weaknesses of Trade Union Movement in India, Labour Migration, Effects of Migration, Absenteeism of Industrial Labour in India, Causes, Effects and Remedies of Absenteeism, Labour Turnover, Causes and remedies of Low Labour Turnover In India.

Dr. Rajesh

GENDER ECONOMICS

Course Name: Gender Economics

Course No: PG/ECO(E) 304 (III)

Maximum Marks: 100

(a) Semester Examination: 80 Marks

Duration of Examination: 2 Hours

(b) Sessional Assessment: 20 Marks

Unit-1

Importance, scope and Concepts of Women Studies, Women in Patriarchal and Matriarchal Societies and Structures, Patriarchal and Matrilineal 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, Status and Role of Women in Uttarakhand Economy.

Unit-2

Demography of Female Population in India and Uttarakhand, Age Structure, Mortality Rates and Sex Ratio, Causes of Declining Sex Ratios and Fertility Rates in India, Women and their access to Nutrition, Health, Education, Community Resources and Their Impact on Female Mortality and Fertility, Power of Decision Making by women at Household, Class, Community Level, Factors Affecting Decision Making By Women, Property Rights, Access to and Control over Economic Resources, Assets;

Unit-3

Economic Status of Women and Its Effect on Work-Participation Rate, Income Level, Health and Education in Developing Countries and India, Factors affecting Female Entry In Labour Market, Supply and Demand for Female Labour in Developed and Developing Countries, Particularly India, Work Participation in Agriculture, Non-Agricultural Rural Activities, Informal Sector, Cottage and Small-Scale Industries, Organized Industry and Service Sector, Wage Differentials in Female Activities.

Unit-4

Social Security of Women, Review of Legislation for Women's Entitlements, Need for Female Labour Unions, Self-Help Groups, Gender and Economic Planning, Paradigm

Sudesh Raina

COMPUTER APPLICATION IN ECONOMIC ANALYSIS

Course Name: Computer Application in Economic Analysis

Course No: PG/ECO(E) 304 (IV)

Maximum Marks: 100

(a) Semester Examination: 80 Marks

Duration of Examination: 2 Hours

(b) Sessional Assessment: 20 Marks

Unit-1

Meaning, Characteristics, Types and Evolution of Computers, Components of a Computer, Basic Components of Computer, Input-Output Devices, CPU, Keyboard, Mouse & Scanner, Video Display, Primers and Plotters, Data Storage and Retrieval, Hard Disk, Floppy Disk and CD ROM, Hardware, Software and Firmware.

Unit-2

Operating System: Microsoft Disk Operating Systems (MS Dos), Operating System, Salient Features, Merits of Windows Operating System, My Documents, My Computer, Search Engines, Network Neighborhood, Features and Facilities in MS office (MS-Word, MS-Excel, MS-PowerPoint Etc.)

Unit-3

Data: Meaning, Types and Sources of Data, Data Base Management Systems (DBMS), Relational Database Management System (RDBMS), Use of Software Packages in Analyzing Data, Obtaining Results and presenting them in Meaningful and Interpretable Forms, Statistical Package for Social Sciences.

Unit-4

On Line Banking: ATM'S, Electronic Stock Exchange, Electronic Trading, Data Sharing and Decimation, Electronic Trading –B2B, B2C and C2C, Introduction to Internet, Application of Internet (WWW, E-Mail Etc.), Use of Internet in Research & daily life.

SUGGESTED READINGS: (LATEST EDITIONS)

Sinha, P. K. and Sinha, P. Computer Fundamentals, , BPB Publications, New Delhi.
Norton, Introduction to Computers, The McGraw-Hill Companies Ltd., N. Delhi
rench, C. S. Data Processing and Information Technology, BPB Publication, N. Delhi
Jain, S. and et al. IT Tools and Applications, BPB Publications, New Delhi.
Gaur, A. S. and Gaur, S. S, Statistical Methods for Practice and Research-A Guide to Data Analysis Using SPSS, Sage Publication New Delhi.
Gupta, S.C. and Kapoor, V. K, Fundamentals of Applied Statistics, Himalayan Publishing House, Allahabad,

Index Rajiv

M.A. (ECONOMICS)

Second Year

Semester-IV

Arundhati Bhatnagar

INDUSTRIAL ECONOMICS

Course Name: Industrial Economics

Course No: PG/ ECO(C) 401

Maximum Marks: 100

(a) Semester Examination: 80 Marks

Duration of Examination: 2 Hours

(b) Sessional Assessment: 20 Marks

Unit-1

Meaning, Scope, Need & Significance of the Study of Industrial Economics, Rational of Industrialization, Role of Industries In Economic Development, Industry and Agriculture Sector Linkages, Industrial Profile, Private Sector, Large, Medium & Small Scale Industries, Village Industries, Public Sector, Role, Problems and future of Public Sector Industries in India, Industrial Combinations- causes, mergers and amalgamations.

Unit-2

Theories of Industrial Location: Weber, Sargent Florence, Factors influencing Location of Industries, Industrial Imbalance, Causes and Measures, Need for Balanced Regional Development of Industries, Industrial Productivity & Efficiency, Factors affecting Productivity & Efficiency, Measures for Improvement, Structure of industrial labour, Trends in India's Industrial Employment- Measures of Generating Industrial Employment.

Unit-3

Industrial Finance: Meaning, Scope, Importance, Sources of Industrial Finance, Private, Public and Co-operative Sector, Role of IFCI, SFCs, SIDBI, Commercial Banks, Foreign Capital, Need for Foreign Capital, Government Policy towards Foreign Capital, Foreign Direct Investment, Foreign Institutional Investment, GDR, ADR, External Commercial Borrowings.

Dr. R. Singh

[Signature]

Unit-4

Recent Trends in Indian Industrial Growth, Industrial Policy 1991, Performance & Problems of Iron and Steel, Cotton textiles and Sugar Industries in India, Performance & Problems of Small Scale & Cottage Industries in India, Role of MNC's in India. Special Economic Zones (SEZs). Liberalization and Globalization and its Impact on Indian Industries.

SUGGESTED READINGS: (LATEST EDITION)

Ahluwalia, I.J. Industrial Growth in India, Oxford University Press, New Delhi.

Barthwal, R.R. Industrial Economics, Wiley Eastern Ltd., New Delhi.

Cherunilam, F. Industrial Economics: Indian Perspective, Himalaya Publishing House, Mumbai.

Desai, B. Industrial Economy in India, Himalaya Publishing House, Mumbai.

Divine, P.J. and R.M. Jones et. al. An Introduction to Industrial Economics, George Allen and Unwin Ltd., London.

Government of India, Economic Survey (Annual).

Hay, D. and D.J. Morris, Industrial Economics : Theory and Evidence, Oxford University Press, New Delhi.

Kuchhal, S.C. Industrial Economy of India (5th Edition), Chaitanya Publishing House, Allahabad.

Reserve Bank of India, Report on Currency and Finance (Annual).

Singh, A. and A.N. Sadhu Industrial Economics, Himalaya Publishing House, Mumbai.

Sudesh Rajhans

ECONOMIC PLANNING

Course Name: Economic Planning

Course No: PG/ECO(C) 402

Maximum Marks: 100

(a) Semester Examination: 80Marks

Duration of Examination: 2 Hours

(b) Sessional Assessment: 20Marks

Unit-1

Economic Planning: Meaning, need and objectives, types of economic planning; Different planning systems, Requisites for successful planning. decentralized and indicative planning; Stages, Planning in a mixed economy, Rolling and fixed plan, centralized and decentralized planning, planning under capitalism and socialism, mobilization and allocation of resources, Man Power Planning, Project Evaluation.

Unit-2

Planning Techniques, Investment criteria: Rationale and types. Choice of Technique: Labour Intensive vs. Capital Intensive Technology; Choice of technique in Underdeveloped Countries, Cost-Benefit Analysis, Capital-Output Ratio, Input-Output Analysis, Role of Monetary, Fiscal and Price Policies in Economic Development, Foreign Trade and Economic Development.

Unit-3

Market Mechanism under Planning. Controls and Planning. Price Mechanism in a Planned Economy. Investment on Human Resource Development, Indian plan models: Harrod-Domar, Mahalanobis, Frisch and Sandee, Manne and Rudra, CELP model and its applications, Vakil and Brahmananda's Wage-Goods Model.

Unit-4

The Emergence of Planning in India-Objectives, Strategy and Evaluation of Indian Planning, Planning Machinery at the Centre, State and Local levels, Niti Aayog, Detailed Study of Last Two Five Year Plans. Resource Mobilization for Indian plans, Regional Planning, Regional Disparities and Development Policies in India and Uttarakhand.

Indra Prakash

ECONOMICS OF HUMAN DEVELOPMENT

Course Name: Economics of Human Development
Course No: PG/ECO(E) 403
Duration of Examination: 2 Hours

Maximum Marks: 100
(a) Semester Examination: 80 Marks
(b) Assessment: 20 Marks

Unit-1

Meaning, Concept, Definitions, components & importance of Human Development, Human Development and Economic Development, Physical Quality of Life Index, Human Resource Development; Usefulness of Concept, Theories of Human Development, Gender Empowerment Measures, Millennium/Sustainable Development Goals and Human Development, Human Development in Indian States.

Unit-2

Human Development Index: Trend of HDI, Measurement of Human Development, Limitations of Human Development Measures, Human Development Indicators: Demographic Indicators, Educational Indicators, Income and Poverty Related Indicators, Health Related Indicators, Water, Sanitation and Nutritional Indicators, Gender Related Indicators, Environment, Human and Labour Rights Related Indicators.

Unit-3

Education and Human Development, Relationship between Education and Development, Role of Education in Economic Development, Education and Social Change, Population Education and Development, Educational Profile of India, Education and Employment, Elementary, Secondary and Higher Education in India, Class and Gender Perspectives of Education, Education for all in India, SSA.

Unit-4

Health and Human Development, Population, Health and Development, System of Health Provisions in India, Health Care, Concern and Security in India, Female Health Care and Deprivation, Child Survival, Fertility and Women's Emancipation, Reproductive Health and Health Care in India, National Rural Health Mission, Health Insurance, Public Expenditure and Health Facilities in India.

Sudar Baghel

DEMOGRAPHY

Course No: PG/Course Name: Demography	Maximum Marks: 100
Course No: ECO (E) 404(I)	(a) Semester Examination: 80 Marks
Duration of Examination: 2 Hours	(b) Sessional Assessment: 20Marks

Unit-1

Meaning and Scope of Demography, Components of Population Growth and Their Inter-Dependence, Measures of Population Change, Structure, Distribution and Sources of Population Data, Theories of Population: Malthus, Optimum Theory of Population, Theory of Demographic Transition, Views of Medows, Enke and Simon.

Unit-2

Fertility: Importance of the Study of Fertility, Total Fertility Rate, Gross Reproduction Rate and Net Reproduction Rate, Factors affecting Fertility, Nuptiality, Concept and Analysis of Marital Status, Trends in Age at Marriage, Mortality, Foetal and Infant Mortality, Factors Leading to Decline in Mortality in Recent Past, Life Tables, Construction and Uses.

Unit-3

Migration: Concept and Types, Temporary, Internal and International Migration, Its Effect on Population Growth and Pattern, Factors affecting Migration, Theories of Migration Related to Internal Migration, Urbanization: Growth and Distribution of Rural, Urbanization Trends in India, Life Expectancy in India.

Unit-4

Growth, Trends and Composition of Population in India, Changing Characteristics of Population In India, Occupational and Regional Distribution, Effects of Population Growth in India, Family Welfare Programme in India, The New Population Policy, Main Features of Latest Population Census with Special Reference to the State of Uttarakhand.

SUGGESTED READINGS: (LATEST EDITIONS)

Agarwal S.N. India's Population Problem, Tata McGraw-Hill Co., Bombay.

Bose, A. India's Basic Demographic Statistics, B.R. Publishing Corporation, New Delhi

Bogue, D.J. Principles of Demography, John Wiley, New York

Chenery H. and T.N. Srinivasan (Eds.) Hand Book of Development Economics, Vol. 1 & 2 Elsevier, Amsterdam

Choubey, P.K. Population Policy in India, Kanishka Publications, New Delhi.

Subes Bajli

HISTORY OF ECONOMIC THOUGHTS

Course Name: History of Economic Thoughts	
Course No: PG/ECO (E) 404(III)	Maximum Marks: 100
Duration of Examination: 2 Hours	(a) Semester Examination: 80 Marks
	(b) Sessional Assessment: 20 Marks

Unit-1

Evolution of economic science, Pre-Classical Thought: Mercantilism, New Mercantilism, Physiocracy and their Role in the Development of Classical Theories, Classicism: Adam Smith, J.B.Say, David Ricardo, T.R. Malthus, J.S. Mill, Ancient Indian Economic Thought.

Unit-2

Critics of Classical Economics: Sismondi, Saint Simon, Karl Marx, Dialectical Materialism and Historical Materialism. Marxian Theories of Value, Surplus Value, Profit and Crisis of Capitalism, Friedrich List, Robert Owen, State Socialism & Rodbertus.

Unit-3

Historical School, Precursors to Marginalism: Gossen, Jevons, Menger and Walras, the Austrian School: Wiesner and Bohm-Bawerk, Wicksteed, Edgeworth. Theory of Capital and Distribution.

Unit-4

Neo-Classical and Modern Thinkers: Alfred Marshall, A.C. Pigou, J.M. Keynes, J.R. Hicks, Indian Economic Thinkers- Mahadev Govind Ranade, M.K.Gandhi, B.R. Ambedkar, J.K. Mehta and Amratya Sen.

SUGGESTED READINGS: (LATEST EDITIONS)

Babatosh Datta, Indian Economic Thought, Twentieth Century Perspectives.

Dasgupta, A.K. Epochs of Economic Theory, Oxford University Press Delhi.

Ekelund, R.B. and R. Herbert, A History of Economic Theory and Method. McGraw Hill, London.

Gandhi, K.K. Economics of village industries, Navjivan Publishing House Ahmedabad.

Gandhi, K.K. India of My Dreams, Navjivan Publishing House Ahmedabad.



GUIDELINES FOR DISSERTATION

Course Title: Dissertation

Course No: PG/ECO (C) /405

Maximum Marks: 100

- (a) Field Study Report: 70 marks (b) Periodic Presentation (One): 10 Marks
(c) Viva Voce: 20 Marks
-

Dissertation Course is offered for all students in the fourth Semester in lieu of Viva-Voce which is treated as one core course.

OBJECTIVE OF THE PROJECT

The objective of the project is to help the student to develop ability to apply economic concepts, percepts, tools and techniques to understand, describe, analyze and solve the real problems.

TYPES OF PROJECT

The project may be from any one of the following types and preferably from your area of specialization:

1. Leading economic issues related to our national or regional economy.
2. Comprehensive case study (covering single organization/multifunctional area problem, formulation, Analysis and recommendations).
3. Inter-organizational study aimed at inter-organizational. comparison/validation of theory/survey of practices.
4. Field study (empirical study).
5. An organizational study.

(PROJECT PROPOSAL (SYNOPSIS))

1. Synopsis of the project should be prepared in consultation with the supervisor. The synopsis should clearly state the objectives and research methodology of the proposed project to be undertaken. It should have full detail of the rationale, sampling, and instruments to be used.
2. Project Supervisors are also advised to restrict guiding projects in their core specialization area only.

Sunder Rajan

[Signature]

PROJECT REPORT

1. The length of the report may be about 50 to 60 double spaced typed pages not exceeding approximately 18,000 words (excluding appendices and exhibits). However 10% variation on either side is permissible.
2. Each project report must adequately explain the research methodology adopted and the directions for future research.
3. The project report should also contain the following:
 - (a) Copy of the synopsis
 - (b) Certificate of originality duly signed by the student and the supervisor.

SUBMISSION OF PROJECT REPORT

1. Two typed copies of the project report are to be submitted to the department. The Project Work should be submitted in original in A-4 Size (29 x 20 cm), typed in double space, in a bound volume.
2. Project Report should be submitted before the final examinations of the fourth Semesters.
3. Dissertation for M. A. Economics (Fourth Semester)' should be written prominently on cover page of the dissertation.
4. The Dissertation should include the following:
 - (a) Rationale for the study
 - (b) Objectives of the study
 - (c) Research Methodology to be used for carrying out the study (detailing nature of data, data sources, collection methods, tools and techniques of analysis, sampling etc.)
 - (d) The expected contribution from the study
 - (e) Limitations if any, and the direction for future research

EVALUATION OF DISSERTATION

- (1) Performance of student in dissertation will be evaluated on the following three basis:

(a) Project report-	70 Marks
(b) Periodical Presentation (One)	10 Marks
(c) Viva Voce	20 Marks
Total:	100 Marks

- (2) Periodical presentation will be assessed by internal examiner but the dissertation and viva-voce will be assessed jointly by internal and external examiner.

Dr. R. R. R.