

DEPARTMENT OF ECONOMICS

K.U. NAINITAL

P.G. – SEMESTER SYLLABUS [CBCS] [w.e.f July 2022]

SEMESTER FIRST				
Core Course	Micro Economics – I	4 credits	Paper Code:ECO/MA/01	
Core Course	Public Finance – I	4 credits	Paper Code:ECO/MA/02	
Core Course	International Economics – I	4 credits	Paper Code:ECO/MA/03	
Core Course	History of Economic Thought	4 credits	Paper Code:ECO/MA/04	
Core Course	Quantitative Techniques in Economics	4 credits	Paper Code:ECO/MA/05	
	Total	20 Credits		

SEMESTER SECOND				
Core Course	Micro Economics – II	4 credits	Paper Code:ECO/MA/06	
Core Course	Public Finance – II	4 credits	Paper Code:ECO/MA/07	
Core Course	International Economics – II	4 credits	Paper Code:ECO/MA/08	
Core Course	Indian Economic Development & Policy	4 credits	Paper Code:ECO/MA/09	
Core Course	Research Methodology	4 credits	Paper Code:ECO/MA/10	
	Total	20 Credits		

SEMESTER THIRD				
Core Paper	Macro Economics – I	4credits	Paper Code:ECO/MA/11	
Core Paper	Economics of Growth & Development	4credits	Paper Code:ECO/MA/12	
Core Paper	Dissertation	2credits	Paper Code:ECO/MA/13	
(Elective Paper - Select any Two)				
Elective Paper	Labour Economics	4 credits	Paper Code:ECO/MA/14	
Elective Paper	Advanced Statistics	4 credits	Paper Code:ECO/MA/15	
Elective Paper	Agriculture Economics	4 credits	Paper Code:ECO/MA/16	
(Open Elective Paper)				
Open Elective Paper	Indian Economy	2 Credits	Paper Code:ECO/MA/17	
	Total Credits	10+8+2=20 Credits		

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SEMESTER FOURTH				
Core Paper	Macro Economics – II	4credits	Paper Code:ECO/MA/18	
Core Paper	Viva Voce	2credits	Paper Code:ECO/MA/19	
(Elective Paper - Select any Three)				
Elective Paper	Industrial Economics	4 credits	Paper Code:ECO/MA/20	
Elective Paper	Financial Institutions and Markets	4 credits	Paper Code:ECO/MA/21	
Elective Paper	Demography	4 credits	Paper Code:ECO/MA/22	
Elective Paper	Economic Systems	4 credits	Paper Code: ECO/MA/23	
(Open Elective Paper)				
Open Elective Paper	Economy of Uttarakhand	2 Credits	Paper Code:ECO/MA/24	
	Total Credits	6+12+2=20		
		Credits		

Outline of Choice Based Credit System:

1. Core Paper: A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.

2. Elective Paper: Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.

3. Open Elective Paper : In this section one paper is introduced as an open elective paper in Semester 3 & 4.

4. Dissertation/Project: This is designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher/faculty member is called dissertation/project. This is compulsory core paper for all students in Semester 3.

5. Viva Voce: Viva Voce is compulsory in Semester 4 for each student as Core Paper.

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[C.B.C.S.]

SEMESTER – I

[CORE PAPER]

- ADVANCED MICRO ECONOMICS-I
- PUBLIC FINANCE - I
- INTERNATIONAL ECONOMICS –I
- HISTORY OF ECONOMIC THOUGHT
- QUANTITATIVE TECHNIQUES IN ECONOMICS

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[SEMESTER – 1]

Paper : ECO/MA/01

ADVANCED MICRO ECONOMICS-I

The Concept of Equilibrium; Economic Model- Nature, Uses and Limitations ; Economic Static Analysis, Comparative Statics, Economic Dynamics.

Consumer Behaviour-Cardinal Utility Analysis; Indifference Curve Analysis; Revealed Preference Analysis; Elasticity of Demand; Consumer's Surplus; Attribute Theory of Demand; Consumer Behaviour Under Uncertainty.

Theory of Production - Returns to a Variable Factor; Isoquant Analysis, Production Function with Two Variable Inputs; Returns to Scale; Cobb-Douglas, CES Production Function; Theory of cost in short and long Period.

The Firm – Classification of Market Structure, Concept of Revenue Curves under Perfect Competition, Monopoly & Imperfect Competition; Profit Maximization Hypothesis, Sales Maximization Hypothesis; Satisfying Behaviour, Staff Maximization, Growth Maximization. Condition for Equilibrium of the Firm.

General Equilibrium-Walrasian Analysis, Edgeworth Box diagram Analysis, Contract curve and Product Transformation curve.

Recommended Reading (Latest Editions) :

- Ahuja, H.L., Advanced Economic Theory, S. Chand & Co., New Delhi.
- Koutsoyiannis, A., Modern Microeconomics, Macmillan, London.
- RoyChoudhary, K., Modern Micro Economics, Theory and Application, Vols. I, II & III, Dominant Publishers and Distributors, New Delhi.
- Lipsey, R.G., Introduction to Positive Economics, ELBS, London.
- Baumol, W., Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi.
- Weintraub, E.R., General Equilibrium Theory, Macmillan, London.
- Da Costa, G.C., Production, Prices and Distribution, Tata McGraw Hill, New Delhi.
- Henderson, J.M. and R.E. Quandt, Microeconomic Theory: A Mathematical Analysis, McGraw Hill, Singapore.
- Mishan, E.J., Welfare Economics: An Assessment, North Holland, Amsterdam.
- एम0 एल0 झिंगन, उच्चआर्थिकसिद्धान्त, वृन्दापब्लिकेशन, नईदिल्ली।
- आहूजा, एच0 एल0, उच्चतरआर्थिकसिद्धान्त, एस0 चॉद, नईदिल्ली

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Paper : ECO/MA/02

[SEMESTER – 1]

PUBLIC FINANCE

Meaning, Scope & importance of Public finance, The principle of Maximum Social Advantage, View of Mrs. Hicks : Production Optimum, Utility Optimum, Major Fiscal Functions, Public goods, Private goods & Merit goods and Externalities. Functional and Activating finance.

Public Expenditure : Wagner's law of Increasing State Activities; Wiseman- Peacock's Hypothesis; Principles of public expenditure, Reason for an increasing in Public Expenditure. Evaluation of Public Expenditure.

Public Revenue : Financing of the Fiscal Economy : Structure of Government Income. Principles of Taxation. Incidences of taxation, Impact, Effects and shifting of a Tax, Direct Vs Indirect Taxes, Incidence under Perfect Competition, Monopoly, Income Tax (individual and corporation), wealth tax, Death Duty, Law of returns. Taxable Capacity.

Public Debt : Source, Composition and Ownership of Public Debt. Objectives of Public Debt, Debt Vs Tax, Debt Burden, Effects of Public Debt, Types of Public Debt, Repayment and Debt Management.

Recommended Reading (Latest Editions) :

- Musgrave, R.A. and Musgrave P.B., Public Finance in Theory and Practice, McGraw Hill, New York.
- Prest, A.R. and Barr, N.A., Public Finance in Theory and Practice, ELBS, London..
- Buchanan, J.M., Public Finance, Irwin, New Y.
- Prest, A. R., Public Finance in Under-developed Countries, Vikas, New Delhi.
- 5.Buchanan, J.M., Public Principles of Public Debt, Irwin, Homewood. Ill., USA. .
- 6.Singh, S. K., Public Finance in Theory and Practice, S. Chand, New Delhi.
- Bhatia, H.L., Public Finance, Vikas Publishing House, New Del
- Herber, B.P., Modern Public Finance, AITBS, New Delhi.
- Reserve Bank of India, Monthly Bulletins.
- Budget Papers of the Government of India.

Paper : ECO/MA/03

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[SEMESTER – 1]

INTERNATIONAL ECONOMICS - I

The Theories of International Trade: classical theory with relaxed assumptions. Haberler's theory, The Heckscher-Ohlin Theory. Extension of Heckscher-Ohlin Theorem. . Factor Price Equalization Theorem. Leontief Paradox, The Rybczynski theorem, Linder's Representative Demand Hypothesis. Consumption Pattern.

Gains from Trade, and Terms of Trade- Reciprocal Demand and Supply Curves, Concepts of Terms of **Trade** their Uses and Limitations, Hypothesis of Secular Deterioration of Terms of Trade. Trade as an engine of Growth Shifts in Demand : . Economic Growth and International Trade: The Concept of Immiserizing Growth. . Welfare Implications, Policy issues.

Trade Policy-Free Trade and Protectionism Methods of Trade Interventions:- Tariffs, Import Quota and Non-Tariff Barriers, Optimum and Effective tariff rates. Economic Effects of Tariffs and Non-tariff Barriers. Theory of custom Union, Trade under Imperfect Competition. International Economic Integration, GATT/Globalization and New International Economic order under WTO, Functions and Objectives of WTO.

Recommended Reading (Latest Editions) :

- Sodersten, Bo., International Economics, MacMillan, London.
- Salvatore, D., International Economics, John Wiley, New York.
- Krugman, P.R., International Economics, Add Wesley Longman, Delhi.
- Mannur, H.G., International Economics, Vikas Publishing House, New Delhi.
- Bhatia, H.L., International Economics, Vikas Publishing House, New Delhi.
- Meier G. M., Leading Issues in Economic Development, OUP, Mumbai.
- Caves, R.E., et.al., World Trade and Payments, Harper Collins, U.
- Chacholiades, M., International Trade Theory and Policy, McGraw Hill, New York.
- Pearce, I.J., International Trade, Vols. I & II, Macmillan, London.
- Bhagwati, J. and T.N. Srinivasan, Lectures on International Trade, MIT Press, Cambr
- Bhagwati, J., ed., International Economics, OUP, New D.
- Rana K.C. and K.N. Verma, International Economics, Vishal Publishing Co., Jalandhar.
- एम० एल० झिंगन, अन्तर्राष्ट्रीय अर्थशास्त्र, वृन्दापब्लिकेशन, नई दिल्ली।
- Jajal R.S. & Bisht, N.S., Emerging Dimensions of Global Trade.
- Jalal R.S., Trade Policy and Global Participation : Indian Experience, Swaroop & Sons, New Delhi.

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Paper : ECO/MA/04

[SEMESTER – 1]

HISTORY OF ECONOMIC THOUGHT

Economic Thought : Nature and Significance, Mercantilism, Physiocracy.

Classical & Neo Classical Economic Thought : Adam Smith, Thomas Robert Malthus, David Ricardo, John Stuart Mill, Marshal, Keynes.

Socialistic Economic Thought : Jean Charles Leonard Sismondi, St. Siman, Robert Owen, Karl Marx.

Nationalist & Historical Thought: Fredrick List, Adolf Wagner, Max Waber.

Indian Economic Thought :Dada Bhai Nouroji, M.G. Ranade, M.K. Gandhi, J.K. Mehta, Amartya Sen.

Recommended Reading (Latest Editions) :

- Schumpeter, J.A.: A History of Economic Analysis.
- Stigler, G.J. : Essays in the History of Economics.
- Dobb, Maurice : Theories of Value and Distribution since Adam Smith.
- Obrien: Classical Theory of Value and Distribution.
- Gide and Rist : History of Economic doctrines. (fgUnh :ikUrj)
- Meek, R.L. : Physiocracy.
- Meek R.L. : The Labour Theory of Value.
- Ricordo, David : Principles of Political Economy and Taxation Edited by P. Sraffa.
- Smith, A. : Wealth of Nations, Book I, Chap. I to X.
- Blaug, Mark : Economic Theory in Retrospect.
- Stigler, G.J. : Production and Distribution Theories.
- Roll, Eric : History of Economic Thought.
- Haney: History of Economic Thought.
- Sheshadri, G.B.: Economic Doctrines.
- Ganguli, B.N. : Indian Economic Thought: A 19th Century Perspective.
- वी०सी० सिन्हा, आर्थिकविचारों का इतिहास, एस० बी० पी० डी० पब्लिकेशनआगरा।

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Paper : ECO/MA/05

[SEMESTER – 1]

QUANTITATIVE TECHNIQUES IN ECONOMICS

Note. Elementary mathematical and statistical concepts with illustrations with the help of graphic and equations wherever possible. Proof of theorems is not expected. (Simple Calculator without mathematical and statistical functions is allowed but candidates shall have to arrange the calculator at their own)

Quantitative Techniques in Modern Economics: Scope, importance and limitations. Theory of Numbers. Equations and their Solutions. Various Types of Functions. Elementary Set Theory.

Differentiation of Functions of two or more Variables: Main Basic Rules of differentiation, Methods of differentiation. Partial Differentiation. Maxima and Minima. **Elementary Integration**, Definite Integration, Application of Differentiation & Integration in Economics.

Matrices: Definition, Types and Matrix Operations, Law (Commutative, Associative and Distributive Laws). Transpose, Adjoint and Inverse Matrix. **Determinants:** Properties and their expansion. Cramer's Rule. Application of Matrix Operations in Economics.

Probability: Meaning & Definition, Addition and Multiplication Theorem. Conditional Probability. Bernoulli's Theorem.

Elementary Linear Programming: Objectives, Basic Assumptions & Advantages. Graphical Methods of solving Linear Programming Problems.

Recommended Reading (Latest Editions) :

- Bose, D., An Introduction to Mathematical Economics, Himalaya Publishing House, New Delhi.
- Yamane, T., Mathematics for Economists- An Elementary Survey, Prentice Hall of India, New Delhi.
- Allen, R.G.D., Mathematical Analysis for Economists, A.I.T.B.S., Publishers and Distributors, Delhi.
- Chiang, A.C., Fundamental Methods of Mathematical Economics, McGraw Hill.
- Monga, G.S., Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi.
- Gupta, S.P., Statistical Methods, Sultan Chand, New Delhi.
- Agrawal, D.R., Quantitative Methods, Vrinda Publications, Delhi.

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Hindi Books

- Gupta, K.L., ParimanatmakTakniken, NavyugSahitySadan, Agra.
- Aggarwal, D.R., PrarambhikGanitiyArthshastra, Vrinda Publication, New Delhi.
- Gupta, K.L., Ravikan Agarwal & Praveen Jain, Arthastastra Ki AadharbhootParimanatmakVidhiyan, Navneet Prakashan, Agra.
- Gupta, K.L. & S.K. Gupta, UcchitarSankhiyiki, Navneet Prakashan, Agra.
- Singh, S.P., SankhiyikiKeMoolTatva, S. Chand, New Delhi.
- Gupta, S.P., SankhiyikiKe Siddhant, New Delhi.
- Lohani, Jitendra Kumar & Padam S. Bisht, Arthashastra Mein GanitiyEvmSankhikiyaVidhiyan, Kunal Books, New Delhi.

Dept. of Economics, Kumaun University, Nainital

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[C.B.C.S.]

SEMESTER – II

[CORE PAPER]

- **ADVANCED MICRO ECONOMICS-I I**
- **PUBLIC FINANCE - II**
- **INTERNATIONAL ECONOMICS -II**
- **INDIAN ECONOMIC DEVELOPMENT & POLICY**
- **RESEARCH METHODOLOGY**

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Paper : ECO/MA/06

[SEMESTER – 2]

ADVANCED MICRO ECONOMICS-II

Market and Product Pricing- Perfect Competition, Monopoly- Price Discrimination; Degree of Monopoly Power; Bilateral Monopoly; Monopolistic Competition-Equilibrium, Excess Capacity Under Imperfect Competition; Selling Costs and Advertisement; ; Non Collusive and Collusive Models of Oligopoly; Average Cost Pricing Theory; Sales Maximization Model.

Factor Pricing and Distribution- Marginal Productivity Theory-Controversy and Critical evaluation, Product Exhaustion Problem – *Wicksteed's, (Wicksell, Walrus and Baron') Solutions* ; Pricing of Factors in Competitive and Imperfectly Competitive Markets; Collective Bargaining and Wages; Demand and Supply of labour , *Wage Determination*; Theories of Rent, interest and Profits.

Welfare Economics- Pigouvian Welfare Economics,; Pareto Optimality condition; value Judgement, Compensation Principle; Grand Utility Possibility Frontier and Welfare Maximization; Social Welfare Function.

Recommended Reading (Latest Editions) :

- Ahuja, H.L., Advanced Economic Theory, S. Chand & Co., New Delhi.
- Koutsoyiannis , A., Modern Microeconomics, Macmillan, London.
- RoyChoudhary, K., Modern Micro Economics, Theory and Application, Vols. I, II & III, Dominant Publishers and Distributors, New Delhi.
- Lipsey , R.G., Introduction to Positive Economics, ELBS, London.
- Baumol, W., Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi.
- Weintraub, E.R., General Equilibrium Theory, Macmillan, London.
- Da Costa, G.C., Production , Prices and Distribution, Tata McGraw Hill, New Delhi.
- Henderson, J.M.and R.E.Quandt, Microeconomic Theory: A Mathematical Analysis, McGraw Hill, Singapore.
- Mishan, E.J., Welfare Economics: An Assessment, North Holland, Amsterdam.
- एम० एल० झिंगन, उच्चआर्थिकसिद्धान्त, वृन्दापब्लिकेशन, नईदिल्ली।
- आहूजा, एच० एल०, उच्चतरआर्थिकसिद्धान्त, एस० चॉद, नईदिल्ली

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Paper : ECO/MA/07

[SEMESTER – 2]

PUBLIC FINANCE-II

Fiscal Policy : Meaning, short and long respective, Objectives of Fiscal Policy in a Developing Economy, Full employment and Fiscal policy, Items of development finance programmes.

Fiscal Federalism : Basic principles of multi level finance, Fiscal federalism in India – constitutional division of income, constitutional provision for Finance Commissions, Division of resources and grant, Transfer of resources from Union to states.

Indian Tax System : Revenue of Union, States and Local Bodies. Major Taxes in India: Tax Base, Direct and Indirect Taxes, Issue of Taxation of Agriculture, Expenditure Tax, Goods and Service Tax (GST). Tax Reforms in India. Non-Tax Revenue sources of the Central, States and Local Bodies.

Budget preparation, presentation and execution of budget of Union government, Current Union Budget, Trends of Public expenditure and Public Debt.

Deficit Financing, Types of Deficit Revenue Deficit, Primary Deficit, Budgetary Deficit and Fiscal Deficit, Fiscal Sector reforms in India, Reports of last Finance Commission.

Recommended Reading (Latest Editions) :

- Musgrave, R.A. and Musgrave P.B., Public Finance in Theory and Practice, McGraw Hill, New York.
- Prest, A.R. and Barr, N.A., Public Finance in Theory and Practice, ELBS, London..
- Buchanan, J.M., Public Finance, Irwin, New Y.
- Prest, A. R., Public Finance in Under-developed Countries, Vikas, New Delhi.
- Buchanan, J.M., Public Principles of Public Debt, Irwin, Homewood. Ill., USA. .
- Singh, S. K., Public Finance in Theory and Practice, S. Chand, New Delhi.
- Bhatia, H.L., Public Finance, Vikas Publishing House, New Del
- Herber, B.P., Modern Public Finance, AITBS, New Delhi.
- Reserve Bank of India, Monthly Bulletins.
- Budget Papers of the Government of India.

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Paper : ECO/MA/08

[SEMESTER – 2]

INTERNATIONAL ECONOMICS-II

Meaning and Components of the Balance of Payments. Equilibrium and Disequilibria in the Balance of Payments. The Balance of Payments Accounts and the Foreign Exchange Market. Types of Disequilibrium, Causes, and Correction of a Disequilibria in the Balance of Payments: Devaluations- Elasticity Approach and Income Absorption Approach, Adjustment Mechanism: Monetary Policy. Foreign Trade Multiplier Fixed and Flexible Exchange Rates. Floating Exchange Rates, Exchange Control.

Forms of Economic Cooperation. Emergence of Trading Blocks. Effects of a Customs Union and Free Trade Areas. Regionalism- SAARC/SAPTA, ASEAN, EU, BRICS. Multilateralism-WTO(TRIPS & TRIMS, Patent, GATS, Subsidies), UNCTAD, I.M.F., I.B.R.D and A.D.B. with Special Reference to India. International Liquidity, Special Drawing Rights (SDRs). Current issues of Emerging International Monetary System.

Trade Problems and Trade Policies of India since 1991- Recent Changes in the Direction and Composition of Foreign Trade of India. Trade Reforms since 1991 and impact on Indian Economy. Problems of India's Foreign Debt. International Investment in India: Foreign Direct Investment FDI, Issues and Policies. Recent Export and Import Policies of India – India's Foreign Trade : Trends & Trade Policies,, Role of Multinational Enterprises in India, FERA and FEMA.

Recommended Reading (Latest Editions) :

- Sodersten, Bo., International Economics, MacMillan, London.
- Salvatore, D., International Economics, John Wiley, New York.
- Krugman, P.R., International Economics, Add Wesley Longman, Delhi.
- Mannur, H.G., International Economics, Vikas Publishing House, New Delhi.
- Bhatia, H.L., International Economics, Vikas Publishing House, New Delhi.
- Meier G. M., Leading Issues in Economic Development, OUP, Mumbai.
- Caves, R.E., et.al., World Trade and Payments, Harper Collins, U.
- Chacholiades, M., International Trade Theory and Policy, McGraw Hill, New York.
- Pearce, I.J., International Trade, Vols. I & II, Macmillan, London.
- Bhagwati, J. and T.N. Srinivasan, Lectures on International Trade, MIT Press, Cambr

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- Bhagwati, J., ed., International Economics, OUP, New D.
- Rana K.C. and K.N. Verma, International Economics, Vishal Publishing Co., Jalandhar.
- एम0 एल0 झिंगन, अन्तर्राष्ट्रीय अर्थशास्त्र, वृन्दापब्लिकेशन, नईदिल्ली।
- Jajal R.S. & Bisht, N.S., Emerging Dimensions of Global Trade.
- Jalal R.S., Trade Policy and Global Participation : Indian Experience, Swaroop & Sons, New Delhi.

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Paper : ECO/MA/09

[SEMESTER – 2]

INDIAN ECONOMIC DEVELOPMENT AND POLICY

Nature of Indian Economy : An underdeveloped Economy, A Developing Economy. The population growth and Economic development. Demographic Profile. Labour Force Growth and Occupational pattern. Urbanisation and Development Process.

Human Resource Development : Education and Health. Employment Trends and Structure of Employment. Nature and Estimates of Unemployment. The concept of Poverty line. Absolute and Relative Poverty. Incidence of Poverty line in India. Poverty Allevation Programmes in India. Income Inequalities in India : Causes, Government Policy and Measures.

Role of Agriculture in Indian Economy. Policies for Agricultural and Rural development. Agriculture Production and Productivity Trends. Land Reforms, Problems of Food Security and Public Distribution System, National Food Security Act. 2013, ICDS, Mid Day Meal Scheme. Agriculture Inputs and Green Revolution, Agricultural Prices Policy. Agricultural Marketing : Agriculture Produce Market (APMC) Act., National Agricultural Market (NAM), Agricultural Finance.

The Industrial sector and Services in Indian Economy – Industrial development during the Planning Period. Industrial Policy : Pre and Post Globalization Period. Performance of Public Sector Enterprises. Privatization of Public Sector Enterprises : The Disinvestment Programme in India. Small Scale and Cottage Industries in India.

Recommended Reading (Latest Editions) :

- Ahluwalia, I.J. and I.M.D.Little, eds., India's Economic Reforms and Development, OUP, New
- Brahmananda, P.R. and V.R. Panchmukhi, eds., Development Experience in the Indian Economy: Interstate Perspectives, Bookwell, Delhi.
- Dantwala, M.L., Dilemmas of Growth : The Indian Experience, Sage Publications, New Delhi.
- Datt, R., Second Generation Economic Reforms in India, Deep & Deep Publications, New Delhi.
- Government of India, Annual Economic Survey

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- Jalan, B., India's Economic Policy – Preparing for the Twenty First Century, Viking, New Delhi.
- India Development Reports, OUP, New Delhi.
- Reserve Bank of India, Reports on Currency and Finance.
- Sen, R.K. and B. Chatterjee, Indian Economy : Agenda for 21st Century, Deep & Deep Publications, New Delhi.
- Kapila, Raj and Uma Kapila, eds., Economic Developments in India, Academic Foundation, New D
- World Bank, India: Reducing Poverty, Accelerating Economic Development, OUP, New Delhi.
- Chelliah, Raja J., Towards Sustainable Growth – Essays in Fiscal and Financial Sector Reforms in India, OUP, New Delhi.
- Kapila, Raj and Uma Kapila, eds., Indian Agriculture in the Changing Environment, Academic Foundation, 14.Dutt, R. and K.P.M. Sundharam, Indian Economy, S. Chand, New Delhi.
- Thamarajaskshi, R., Intersectoral Relationships in a Developing Economy, Academic Foundation, New
- Krueger, Anne O., Economic Policy Reforms and the Indian Economy, OUP, New Delhi.

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Paper : ECO/MA/10

[SEMESTER-2]

RESEARCH METHODOLOGY

Research Methodology : Meaning, Objectives, Types and Significance of the Research. Research problem - Identification and technique involved in defining a problem. Hypothesis. Variables. Research Design - Meaning, Features, Need, Important concepts. Design of Sample Surveys : Sample Vs Census. Types, Probability & Non-probability Sampling. Types & Methods of Data Collection.

Statistical Tools and Techniques in Social Research : Measures of Central Tendency – Mean, Median, Mode; Measures of Dispersion - Standard Deviation & Coefficient of variation. **Simple Correlation** : Meaning, Assumptions and Limitations of Simple Correlation. Various methods of determining Correlation (Graphical and Mathematical Methods). Probable Error. **Simple Regression Analysis**: Meaning, Importance and Uses, Regression Lines. Regression Equations, Coefficient and its calculation by various methods.

Test of Significance. Large and Small Samples. Content Analysis. Projection Techniques. Preparation and Evaluation of Research Report. Elementary Operations Research Techniques.

Computers and Research in Social Sciences.

Recommended Reading (Latest Editions) :

- R.N.Trivedi&D.P.Shukla : Research Methodology (in Hindi).
- Kumar : Research Methodology.
- पारसराय, अनुसंधानपरिचय ।
- एच० के कपिल, अनुसंधानविधियां, एच०पी० भार्गवबुकहाऊसआगरा
- Tandon : Research Methodology in Social Sciences.
- Kothari, D.S. : Research Methodology.
- Yojna. Monthly Magazine.
- Economic Times, Financial Express and other Newspapers.
- Economic Magazines.
- Reports of various agencies.
- Cauvery,R., ed.al., Research Methodology, S. Chand, New Delhi.
- Sharma, Manoj, Research Methodology, Anmol Publications, New Delhi, 2004.

DEPARTMENT OF ECONOMICS
K.U. NAINITAL
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[C.B.C.S.]

SEMESTER – III

[CORE PAPER]

- **ADVANCED MACRO ECONOMICS-I**
- **THEORY OF ECONOMIC GROWTH**
- **DISSERTATION**

Paper : ECO/MA/11

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[SEMESTER- 3]

CORE PAPER

ADVANCED MACRO ECONOMICS-I

National Income and Related Concepts. Circular flow of Income. Measurement of National Income. Problems in the Measurement of National Income.

Types of Macroeconomics Say's Law of Market, Determination of the level of output and Employment, Criticism of Say's Law, Classical, Keynesian Economics.

Post-Keynesian Approaches, Theory of Output and Employment. Consumption Function & Theories (Keynes, Duesenberry, Milton-Friedman), Saving and Investment Function - Keynesian approach, Keynesian Psychological Law of Consumption, Paradox of Thrift, Friedman's approach. Investment Function- Determinants of Investment. Concept of Multiplier, Acceleration Principle.

Recommended Reading (Latest Editions) :

- Ackley, G., Macroeconomics : Theory and Policy, Macmillan, New Y
- Dornbusch, R. and F. Stanley , Macroeconomics, Mc Graw Hill, New York.
- Jha, R., Contemporary Macroeconomic Theory and Policy, Wiley Eastern, New Delhi.
- Vaish, M.C., Macroeconomic Theory, Vikas, New Delhi.
- Romer, D.L., Advanced Macroeconomics, Mc Graw Hill, New York.
- Gupta, S.B., Monetary Planning in India, OUP, New Delhi.
- Reddy, Y.V., A Review of Monetary and Financial Sector Reforms in India, UBSPD, New Delhi.
- Frisch, H., Theories of Inflation, Cambridge University Press.
- Rakshit, M., Studies in the Macroeconomics of Developing Countries, OUP, New Delhi.
- Vasudevan, A., Central Banking for Emerging Market Economies, Academic Foundation, New Delhi.
- Rana K.C. and K.N. Verma, Macro Economic Analysis, Vishal Publishing Co., Jalandhar.
- एम० एल० झिंगन, समष्टिअर्थशास्त्र, वृन्दापब्लिकेशन, नईदिल्ली।
- एच० एल० आहूजा, उच्चतरसमष्टिअर्थशास्त्र, एस० चॉद, नईदिल्ली।

Paper : ECO/MA/12

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[SEMESTER- 3]

CORE PAPER

ECONOMICS OF GROWTH AND DEVELOPMENT

Meaning and Measurement of Economic Growth and Development. Characteristics of Under-Development. Poverty – Absolute and Relative. Measuring Development and Development Gap. Human Development Index and Other Indices of Development and Quality of Life.

Adam Smith, Ricardo, Malthus. Marxian Theory of Capitalist Development. Schumpeterian View of Dynamic Evolution of Economy. Structural Analysis of Development. Development in Historical Perspective - The Rostow's Stages of Growth, Harrod-Domar, Joan Robinson.

Partial Theories of Underdevelopment: Vicious Circle Theory. Social and Technological Dualism. Models of a Dual Economy: Nurkse, Lewis. Theory of the Big Push. Balanced and Unbalanced Growth.

Development Policies and Perspectives: Role of Economic and Non-Economic Factors, Sectoral Priorities and development Policies, Environment and Development.

Recommended Reading (Latest Editions) :

- Ghatak, S., (1986), An Introduction to Development Economics, Allen and Unwin, London.
- Thriwall, A. P., (1978), Growth and Development, McMillan, London.
- Meier, G.M., (1984) : Leading Issues in Economic Development, Oxford University Press, New York
- Higgins, B. (1959) : Economic Development, Norton , New York
- Kindlerberger, C.P. and B. Harrik (1983) : Economic Development, McGraw-Hill, Tokyo.
- Salvatore, D. and E. Dowling (1977) : Development Economics, Schum's Outline Series in Economics, McGraw
- Agarwal, A. N. and S.P. Singh, (Eds.) (1985) : Economics of Underdevelopment O.U.P., Lon.
- Adelman I (1969) : Theories of Economic Growth and Development, Stanford University Press, Stanford
- Sen, A.K. (ed.) (1971) : Growth Economics, Penguin, Harmondsworth.
- Sundaram, R.M. (1984) : Development Economics : A Framework for Analysis and Policy.
- Chenery, H. : Redistribution with Growth, Oxford University Press
- Todaro, M.P. : Economic Development, Longman, Lond
- United Nations : Human Development Report.

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- 14. Misra, S.K. & V.K. Puri, Economics of Growth and Development, Himalaya Publishing House, Mumbai.
- 15. एम. एल. शिंगन, विकास का अर्थशास्त्र एवं आयोजन, वृन्दापब्लिकेशन, नई दिल्ली।

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Paper : ECO/MA/13

[SEMESTER- 3]

CORE PAPER

DISSERTATION

Dissertation will comprise of either field work or research study based on primary/secondary data on topic based on relevant socio-economic/ economic problems allocated by internal supervisor. **In both cases student will have to submit dissertation report (duly typed and binded) in A4 size paper having font in Times New Roman (12 Points) & Kruti Dev (14 points) with 1.5 line gap. The Dissertation should not exceed 100 pages.**

Performance of student in dissertation will be evaluated on the following basis –

- | | |
|---|------------|
| a) Dissertation report/Final Presentation | - 70 Marks |
| b) Two periodical Presentation | - 30 Marks |

Note : Two periodical presentations will be assessed by internal examiner but the Dissertation and Final Presentation will be assessed jointly by internal and external examiner.

ELECTIVE PAPER
[SEMESTER 3]

(SELECT ANY TWO)

- **LABOUR ECONOMICS**
- **ADVANCED STATISTICS**
- **AGRICULTURAL ECONOMICS**

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Paper : ECO/MA/14

[SEMESTER-3] ELECTIVE PAPER

LABOUR ECONOMICS

Characteristics of Indian Industrial Labour Market. Demand for labour, Supply of Labour, Migratory Character. Absenteeism, Labour Turnover. Unemployment – Causes, Types and Remedies., Recruitment of Industrial Worker, Employment Exchange, National employment Service in India, Labour Productivity.

Types of Wage Payment, - Time System, Piece System, Incentive System. Various Concept of Wages – Minimum Wage, Fair Wage and Living Wage. Organised and Unorganised Sectors, Bonus, Profit Sharing and Co-partnership, Rationalisation.

Labour Union – Meaning, Importance and Functions of Labour Unions, Methods of Settlement of Industrial Disputes, Collective Bargaining, Conciliation, Arbitration and Adjudication.

Labour Legislation in India- Factory Act 1948, Indian Labour Laws and Practice in Relation to International Labour Standards.

State and Social Security of Labour – Concept of Social Security - Social Assistance and Social Insurance, Labour Welfare Measures in India, Social Security in India – Workmen Compensation Act 1923, Employees State Insurance Act. 1948, Maternity Benefit Act 1961, Employees Provident Fund Act. 1952, PMSBY- Pradhan Mantri Suraksha BimaYojna, PMJJBY- Pradhan Mantri Jeevan Jyoti BimaYojna, APY-Atal Pension Yojna, PMYSM Pradhan Mantri Shram Yogi Mahan Pension Yojna.

Child and Woman, Second National Commission on Labour, International Labour Organization and India,

Recommended Reading (Latest Editions) :

- Allen, V.L. : Power in Trade Unions.
- Beveridge, W.H. : Social Security Plan.
- Chamberlain, N.W. : Collective Bargaining.

DEPARTMENT OF ECONOMICS
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- Clow, A. G. : Indian Factory Legislation.
- Das, N. : Unemployment and Full Employment in India.
- Deshpande, L.K. Brahmmananda P. R. (Ed.) : Employment Policy in a Developing Economy.
- Deshpande, D. K. and Sandesara, J.C. (Ed.) : Wage Policy and Wage Determination in India.
- Dobb, M. : Wages.
- Gilman, N.P. : Profit Sharing Between Employer and Employee.
- Gadgil, D.R. : Women Workers in India.
- Hicks, J.R. : Theory of Wages.
- Giri, V.V. : Labour Problems in Indian Industry.
- Joshi, N.N. : Trade Union movement in India.
- Kaul, N.N. : India and the I.L.O..
- Kether, D.P. : India's Labour Welfare.
- Mukerjee, R.K. : The Indian Working Class.
- Mukerjee, P.K. : Labour Legislation in India.
- टी० एन० भगोलीवाल, श्रम अर्थशास्त्र एवं औद्योगिक संरक्षण।
- Memoria, C.B. : Labour Problems and Social Welfare in India. (fgUnh :ikUrj)

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Paper : ECO/MA/15

[SEMESTER- 3]

ELECTIVE PAPER

ADVANCED STATISTICS

(Simple Calculator without mathematical and statistical functions is allowed but candidates shall have to arrange the calculator at their own)

Planning and Executions of Statistical Survey:Type, Collection, Classification, Tabulations and Presentation of Data. **Sampling Theory:** Methods and types of Sampling, Errors in Sampling, Merits and Limitations of Sampling.

Measure of Central Tendency – Arithmetic Mean, Median, Mode, Geometric Mean, Harmonic Mean. **Measure of Dispersion** - Standard Deviation. Variance. Probable Error. Lorenz Curve. **Measure of Skewness and Kurtosis.****Simple Correlation:**Karl Pearson method of determining Correlation. Probable Error. **Simple Regression Analysis:** Regression Lines& Equations, Coefficient and its calculation by various methods.

Time Series Analysis: Components of Time series. Methods of Measurement of Trend. Measurement of Seasonal Variations. **Interpolation and Extrapolation:** Methods of Interpolation& Extrapolation.

Testing of Hypotheses: Testing of Significance for Small and Large Samples. t- Test. Chi-Square Test and Goodness of Fit. F- Test and Analysis of Variance. Z- test.

Recommended Reading (Latest Editions) :

- Allen, R.G.D., Statistics for Economics, Hutchinson, London.
- Cochran, Sampling Techniques, John Wiley, New York.
- Croxton and Cowden, Applied General Statistics, Prentice Hall, London.
- Yamane, Taro, Statistics- An Introductory Analysis, Harper & Row, New York.
- Des Raj, The Design of Sample Surveys, McGraw Hill, New York.
- Wonnacott, T.& R. Wonnacott, Introductory Statistics for Business and Economics, John Wiley, N.Y.
- Deming, W. Edwards, Theory of Sampling, John Wiley, New York.
- Gupta, S.C., Fundamentals of Statistics, Himalaya Publishing House, Mumbai.
- Gupta, S.P., Statistical Methods, Sultan Chand, Delhi.
- Karmel, P.H. & M. Polasek, Applied Statistics for Economics, Pitman Publishing, London..

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- Srivastava, S.C. & Sangya Srivastava, Fundamentals of Statistics, Anmol Publications, New Delhi.

Hindi Books

- Gupta, S.P., Statistical Methods (Hindi Edition), Sultan Chand, Delhi.
- Singh, S.P., Statistics: Theory and Practice (Hindi Edition), S. Chand, Delhi.

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Paper : ECO/MA/16

[SEMESTER- 3]

ELECTIVE PAPER

AGRICULTURAL ECONOMICS

Nature and Scope of Agricultural and Rural Economics. Role of Agriculture in Economic Development. Interrelationship between Agriculture and Industry. Interaction between Agriculture and Rest of the Economy.. Diversification of Agriculture.

Agricultural Production – Resource Use and Efficiency.. : Agricultural Growth. Demand and Supply and Allocation of Basic Inputs- Labour, Land, Irrigation, Fertilizer, HYV Seeds, Form of farming, Organic Farming, Sustainable Farming. Dry Land Farming. Vertical Farming. Livestock Energy, Machinery and Equipment. Factor Combination and Resource Substitution. Technology in Agriculture – Traditional Techniques and Practices. Technological Change and Agriculture. Distribution of Gains from Technological Change. Green Revolution. Emerging Trends in Agricultural Technology. Economics of Small Farmers.

Agricultural Finance in India – Importance, Types of Requirements, Sources ; Institutional and Non-institutional. Existing Credit Delivery System (Multi Agency Approach). Reorganization of Rural Credit – Cooperatives, Commercial Banks, Regional Rural Banks. Role of NABARD.

Marketing and State Policy. Agricultural Markets and Marketing Efficiency – Marketing Functions and Costs. Market Structure and Imperfections. Regulated Markets. Marketable Surplus. Behavior of Agricultural Prices – Cobweb Model. Warehousing. Taxation and Crop Insurance. Agricultural Price Policy – Objectives, Instruments and Evaluation. Food Security in India. Public Distribution System.

Recent Trends in Agricultural Growth in India. Inter-regional Variations in Growth of agricultural Output and Productivity. Cropping Pattern Role of Subsidies.

Recommended Reading (Latest Editions) :

- Heady, E.O. : (ed.) Economic Development of Agriculture.
- Snodgrass, Milton M. and L.T. Wallace : Agricultural Economic and Resource Management, Prentice Hall of India Pvt. Ltd., 1977.

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K.U. NAINITAL
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- Eicher, Earl and Lawrence Witt (ed.): Agriculture in Economic Development: Vora Co. Pub. Pvt. Ltd. 1970.
- Shah, C.H. and C.N. Vakil (ed.) : Agriculture Development of India : Policy and Problems, Orient Longman, 1979.
- Southworth N. and A. Johnston : Agriculture Development and Economic Growth, Cornell University Press.
- एस० बी० गुप्ता, कृषिअर्थशास्त्र, एस० बी० पी० डी० पब्लिकेशन आगरा।
- Chaudhari, Pramit : Selected Readings in Indian Agriculture.
- Govt. of India : Report of the National Commission on Agriculture.
- R.S.Jalal, "RURAL DEVELOPMENT IN INDIA : ISSUES AND POLICY" (Vol. I & II), Anmol Publication, New Delhi
- Rao. H.H. : Technological Change and Distribution of Gains.
- Rudra, Ashok : Indian Agricultural Economics : Myths and realities, Allied Pub., New Delhi, 1982.
- Mitra, A : Terms of Trade and Class Relations.
- Schultz, T.W. : Economic Crisis in World Agriculture.
- Schultz, T.W. : Transforming Traditional Agriculture.
- Govt. of India : Five Year Plans (Documents).

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OPEN ELECTIVE

[SEMESTER 3]

- INTRODUCTION TO INDIAN ECONOMY

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Paper : ECO/MA/17

[SEMESTER-3]

OPEN ELECTIVE PAPER

INTRODUCTION TO INDIAN ECONOMY

Characteristics of Indian Economy, Developed and Under Developed Economy.

Agricultural Structure in India – Importance, Nature, Trends in agricultural production and Productivity (Pre and Post Globalisation Era). Public Distribution System.

Industrial Sector in India - Industrial development during Pre and Post Globalization. Problems of Small and Cottage industries. New Industrial Policy.

Service Sector in India - Growth and contribution in Indian Economy. Make in India Programme. SKILL India Programme. Digital India Programme, Jan Dhan Yojna. Aatmnirbhar Bharat Yojna.

Unemployment & Poverty in India –Types & Causes, Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGA).

Recommended Reading: (Latest Editions) :

- Agrawal, A.N. : Indian Economy, WishwaPrakashan, New age International (P) Limited, New Delhi.
- Misra, S. K. & V. K.Puri : Indian Economy.
- RuddarDatt& K. M..P.Sundharam: Indian Economy, S. Chand, New Delhi.
- Bimal Jalan : Problems of Indian Economy.
- R.S.Jalal, "RURAL DEVELOPMENT IN INDIA : ISSUES AND POLICY" (Vol. I & II), Anmol Publication, New Delhi
- Parekh, K.S. : India Development Report.
- Dutt, R. (ed.) : Second Generation Economic Reforms in India.

Hindi Books

- Rudradatt& K.P. Sundaram, BhartiyaArthvyavastha, S.Chand, New Delhi.
- Mishra &Puri, BhartiyaArthvyavastha, Himalaya Publication, New Delhi.

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[C.B.C.S.]

SEMESTER – IV

[CORE PAPER]

- **ADVANCED MACRO ECONOMICS-II**
- **VIVA VOCE**

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Paper : ECO/MA/18

[SEMESTER-4]

ADVANCED MACRO ECONOMICS-II

Supply of Money-Different Concepts, High Powered Money, Money Multiplier, Determinants of Money supply. Demand for Money—Classical view of Demand for Money, Total Demand for Money, Post Keynesian Approach, Baumol's Approach, Fisher and Cambridge Versions. Keynesian Approach. Approach of Friedman, Patkinson. Value of Money and It's measurements.

Theory of Interest - Classical, Neo-Classical, Keynesian. The Modern Theory of Interest. IS & LM Functions : General Equilibrium of Product and Money Markets, Extensions of IS-LM Models.

Keynes' Theory of Money and Prices. Keynesians versus Monetarism. Theories of Inflation. Effects and Control of Inflation. Inflationary and Deflationary Gaps. Phillips Curve.

Credit Creation by Commercial Banks, Central Banking -- Functions and Role. Reserve Bank of India - Role and Performance.

Theories of Trade Cycles –Hartrey& Hayek, Keynes, Hicks, Samuelson.

Recommended Reading (Latest Editions) :

- Ackley, G., Macroeconomics : Theory and Policy, Macmillan, New Y
- Dornbusch, R. and F. Stanley , Macroeconomics, Mc Graw Hill, New York.
- Jha, R., Contemporary Macroeconomic Theory and Policy, Wiley Eastern, New Delhi.
- Vaish, M.C., Macroeconomic Theory, Vikas, New Delhi.
- Romer, D.L., Advanced Macroeconomics, Mc Graw Hill, New York.
- Gupta, S.B., Monetary Planning in India, OUP, New Delhi.
- Frisch, H., Theories of Inflation, Cambridge University Press.
- Rakshit, M., Studies in the Macroeconomics of Developing Countries, OUP, New Delhi.
- Vasudevan, A., Central Banking for Emerging Market Economies, Academic Foundation, New Delhi.
- Rana K.C. and K.N. Verma, Macro Economic Analysis, Vishal Publiing Co., Jalandhar.
- एम0 एल0 झिंगन, समष्टिअर्थशास्त्र, वृन्दापब्लिकेशन, नईदिल्ली।
- एच0 एल0 आहूजा, उच्चतरसमष्टिअर्थशास्त्र, एस0 चौद, नईदिल्ली।

Paper : ECO/MA/19

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[SEMESTER-4]

VIVA-VOCE

Viva-Voce Examination is compulsory for each student as a Core paper in Semester – 4.

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[SEMESTER 4]
[ELECTIVE PAPER]

(SELECT ANY THREE)

- **INDUSTRIAL ECONOMICS**
- **FINANCIAL INSTITUTIONS AND MARKETS**
- **DEMOGRAPHY**
- **ECONOMIC SYSTEMS**

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Paper : ECO/MA/20

[SEMESTER-4] ELECTIVE PAPER
INDUSTRIAL ECONOMICS

Scope and Method of Industrial Economics. Industrial Efficiency: Organisational Form and Alternative Motives of the Firm. Structure-Conduct- Performance. Demand Analysis and Demand Forecasting. Efficiency and Size of the Firm. Concept and Measurement of Profitability. Determinants of Profitability. Theory of Profitability.

Growth of the Firm. Conceptual Framework for the Theory of Growth of the Firm . Pricing Decisions: General Situations for Pricing Decisions. Pricing Procedures. Pricing in Public Enterprises. Economics of Advertising. Process of Innovation.. Theory of Technological Innovation. Production Control. Cost Control.. Quality Control, Financial Structure of the Firm – Components of Funds. Role, Nature, Volume and Types of Institutional Finance. Assessment of Financial Soundness.

Theories of Industrial Location – Weber and Sargent Florence. Determinants of Industrial Location. Approaches to Industrial Location Analysis. Operational Approaches to Industrial Location. Industrial Location Trends in India.

Industrialisation: Rationale, Objectives, Strategies and Policies. Industrialisation and Regional Development. Employment Implications of Industrialisation. Need for Government Intervention in Industry. Legal Framework of Industrial Regulation in India. New Industrial Policy of India. Effects of Liberalisation and Globalisation on Indian Industry. IT and Software Industry. Textile Industry... Development of Small Scale and Cottage Industries in India.

Recommended Reading:

- Ahluwalia, I.J.: Industrial Growth in India, OUP, New Delhi.
- Barthwal, R.R.: Industrial Economics, Wiley Eastern, New Delhi.
- Jalal, R.S.: “Industrial Entrepreneurship”, Anmol Publication, New Delhi.
- Cherunilam, F.: Industrial Economics: Indian Perspective, Himalaya Publishing House, Mumbai.

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- Desai, B.: Industrial Economy in India, Himalaya Publishing House, Mumbai.
- Hay, D. and D.J. Morris: Industrial Economics: Theory and Evidence, OUP, New Delhi.
- Kuchhal, S.C.: Industrial Economy of India, Chaitanya Publishing House, Allahabad.
- Government of India: Economic Survey (Annual).
- Smith, D.M.: Industrial Location: An Economic and Geographical Analysis, John Wiley, New York.
- Mamoria and Mamoria: Dynamics of Industrial Relations in India, Himalaya Publishing House, Mumbai.
- Dasgupta, P.S., Marglin and A. Sen: Guideline for Project Evaluation, Unido Publications, New York.

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Paper : ECO/MA/21

[SEMESTER-4] ELECTIVE PAPER

FINANCIAL INSTITUTIONS AND MARKETS

Role & Structure of Money Market and Capital Market. Features of a Developed Money and Capital Market. Structure of the Financial System. Functions of the Financial Sector. Functions, Types and Objectives of Commercial Banks. Mechanism of Credit Creation by the Commercial Banks. Purpose and Limitations.

Functions of Central Bank. Instruments of Credit Control. Aims and Objectives of Monetary Policy in Developed and Developing Countries. Instruments of Monetary Policy. Role and Functions of the Reserve Bank of India. Development and Regulatory Role of the RBI. NABARD. Definition and Types of Non-Bank Financial Institutions – Their Role, Importance, Growth, Functions and Effects. Cooperatives and Regional Rural Bank -Their Objectives, Role and Limitations. Definition, Types, Functions.

Nature and Organization of International Financial Markets. Operations of the World Bank and its Affiliates. Growth of Regional Financial Institutions. Asian Development Bank and its Lending Activities with reference to India.

Recommended Reading:

- Bhole, L.M.: Financial Institutions and Markets, Tata McGraw Hill, New Delhi.
- Bhole, L.M.: Indian Financial System, Chugh Publications, Allahabad.
- Hanson, J.A. and S. Kathuria : India : A Financial Sector for the Twenty First Century, OUP, New Delhi.
- Khan, M.Y.: Indian Financial System, Tata McGraw Hill, New Delhi.
- Machiraju, M.R.: Indian Financial Systems, Vikas Publishing House, New Delhi.
- Prasad, K.N.: Development of India's Financial System, Sarup and Sons, New Delhi.
- Johnson, H.J.: Financial Institutions and Markets, Mc Graw Hill, New York.

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- Harker, P.T. and S.A. Zenios (ed): Performance of Financial Institutions, Cambridge University Press.
- Chandra, P.: Financial Markets, Tata McGraw Hill, New Delhi.
- Machiraju, M.R.: International Financial Markets in India, Wheeler Publishing House, Allahabad.
- Farrell, J.L.: Portfolio Management, McGraw Hill, New York.
- Smith, P.F.: Money and Financial Intermediation: The Theory and Structure of Financial System, Prentice Hall, Englewood-Cliff, New Jersey.
- Rangarajan, C.: Indian Economics: Essays on Money and Finance, UBS Publication, New Delhi.
- RBI : Functions and Working of RBI

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Paper : ECO/MA/22

[SEMESTER-4] ELECTIVE PAPER
DEMOGRAPHY

Demography- Meaning, Scope and Importance, Malthus Theory of Population, Optimum theory of Population, Transition Theory, Population Cycle,

Vital Statistics: Measurement and determination of Fertility and Mortality, Crude Birth Rate, Reproduction Rate, Gross Reproduction Rate, Net Reproduction Rate, Crude Death Rate, Sex Ratio, Infant Mortality, Life Expectancy, Migration, External and internal Migration, Life Table, Methods of Population Projection, Life Expectancy Index, Age Structure, Occupational Structure.

Population in India- Population Trends in Recent years in India, population in India, Population Explosion, Human Development Index, Gender Equality Index, Policy related to health, Nutrition, Education and Training, Demographic Dividend.

Population Growth and Economic Development, Family Planning Programs in India- Evaluation of Population Policy of India, Recent Population Census of India.

Recommended Reading:

- Agarwala, S.N.: India's Population Problem., Tata McGraw Hill, Bombay.
- Agarwal, U.D.: Population Projections and Their Accuracy, B.R. Publishing Corporation, New Delhi.
- Bhende, A.A. and T.R. Kanitkar: Principles of Population Studies, Himalaya Publishing House, Bombay.
- Bogue, D.J.: Principles of Demography, John Wiley, New York.
- Bose, A.: India's Basic Demographic Statistics, B.R. Publishing Corporation, New Delhi.
- Census of India: Various Reports.
- Choubey, P.K.: Population Policy in India, Kanishka Publications, New Delhi.
- Misra, B.D.: An Introduction to the Study of Population, South Asia Publishers, New Delhi.
- Srinivasan, K.: Basic Demographic Techniques and Applications, Sage Publications, New Delhi.
- Krishnaji, M., R.M. Sudrashan and A. Shariff: Gender Population and Development, OUP, New Delhi.
- Ramakumar, R., Technical Demography, New Age International, New Delhi.
- Jhoklro, J. I. H. O. J. tukafddh; v/;;u ds izk:lk] fgeky; kifCyf" kaxgkÅl] eqEcbZA
- वि० कुमार एवंगुप्ता, जनांकिकी, एस० बी० पी० डी० पब्लिकेशन आगरा।
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Paper : ECO/MA/23

[SEMESTER-4] ELECTIVE PAPER

ECONOMIC SYSTEMS

Types of Economic Systems : feature, Role of State in Decision Making

Capitalist System : Characteristics, Prime movers in Capitalist System, Role of Profit, Free Enterprise, Sovereignty of the Consumer.

Communist System : Features, Types of Planning Mechanism, ownership and distribution.

Concept of Mixed Economy : Planning under mixed economy, Working of Mixed Economy in India, Role of Public and Private Sectors in India. Gandhian Economic System and Panchayati Raj.

Recommended Reading (Latest Editions) :

- S.K. Mishra, Economic Systems & Micro Economics, D.K. Publishers, New Delhi.
- S.S.M. Patel: Economic Systems, D.K. Publishers, New Delhi.
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OPEN ELECTIVE
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- **ECONOMY OF UTTARAKHAND**

Dept. of Economics, Kumaun University, Nainital

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[SEMESTER-4]

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ECONOMY OF UTTARAKHAND

The Economy of Uttarakhand –Introduction &Characterstics. Demographic Profile. Natural Resources.

Agricultural Profile in Uttarakhand –Agriculture&Animal Husbandry in Uttarakhand. And its Problems.

Industrial Profile of Uttarakhand &New Industrial Policies.

Tourismsector in Uttarakhand. Problems of Migration & Reverse Migration in Uttarakhand. Role of Women in Uttarakhand's Economy.

Unemployment and Poverty in Uttarakhand. Poverty Alleviating Programmes in Uttarakhand. Mukhyamantri Swarozgaar Yojna.

Recommended Reading: (Latest Editions):

- Pandey, P.C., D.C. Pandey, P.S. Bisht, Rajnish Pandey :Economy of Uttaranchal Profile and Dynamics of Change, co-ed. Anamika Publishers & Distributors Pvt. Ltd. New Delhi.
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