

Certificate Course in Fundamentals of Economics		
Programme : Certificate Course in Fundamentals of Economics	Year 1	Semester 1 Paper I
Subject : Economics		
Course Code : ECOMJ101	Course Title : Basics of Microeconomics	
Course Outcomes: The course will help in: <ul style="list-style-type: none"> • Study of micro economics enables the students to have an understanding of theoretical aspects of the subject. • Students are able to understand and define the basic concepts like consumer behavior, production, demand and supply etc. • Students will learn about the price and output determination of the firm and industry under different market forms. They also learn about the Welfare concept in modern Economics. 		
Credits : 6 Credits	Core Compulsory	
Max. Marks :75	Min. Passing Marks: 25	
Total No. of Lectures – Practical (in hours per week) : 4-0-0		
Unit	Topic	No. of Lectures
I	Definition, Nature, Scope and Methods of Micro Economics. Equilibrium: Partial and General, Static and Dynamic.	16
II	Theory of Demand: Utility Analysis of Demand. (Cardinal & Ordinal Approach) Indifference Curve Analysis. Consumer's Equilibrium. Giffen Goods. Concept and Calculation of Elasticity of Demand & Consumer's Surplus.	18
III	Theory of Production: Returns to a Variable Factor. Production Possibility Curve. Production Function: Isoquants, Fixed Proportions and Variable Proportions Production Functions, Returns to Scale. Concept and Calculation of Total, average and marginal cost. Concept and Calculation of Revenue Curves - Total, Average and Marginal.	20
IV	Market Structures and Price Determination. Equilibrium of the Firm. Perfect Competition. Monopoly & Monopolistic Competition.	18
V	Theory of Factor Pricing: Marginal Productivity theory of Distribution. Modern Theories of Wage, Rent, Interest & Profit.	18

Suggested Reading:

1. Ahuja, H.L., Advanced Economic Theory, S. Chand & Co., New Delhi.
2. Koutsoyiannis, A., Modern Microeconomics, Macmillan, London.
3. Roy Choudhary, K., Modern Micro Economics, Theory and Application, Vols. I, II & III, Dominant Publishers and Distributors, New Delhi.
4. Lipsey, R.G., Introduction to Positive Economics, ELBS, London.
5. Baumol, W., Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi.
6. Weintraub, E.R., General Equilibrium Theory, Macmillan, London.
7. Da Costa, G.C., Production, Prices and Distribution, Tata McGraw Hill, New Delhi.
8. Henderson, J.M. and R.E. Quandt, Microeconomic Theory: A Mathematical Analysis, McGraw Hill, Singapore.
9. Mishan, E.J., Welfare Economics: An Assessment, North Holland, Amsterdam.
10. एम० एल० झिंगन, उच्चतर आर्थिक सिद्धान्त, वृन्दा पब्लिकेशन, नई दिल्ली।
11. आहूजा, एच० एल०, उच्चतर आर्थिक सिद्धान्त, एस० चॉद, नई दिल्ली

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This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared there 10+2 or Equivalent examination.

Suggested Continuous Evaluation (25 Marks): The suggested continuous evaluation will have the following criteria –

[Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks)]

Course Prerequisites: Must have basic knowledge of economics.

Certificate Course in Fundamentals of Economics		
Programme: Certificate Course in Fundamentals of Economics	Year1	Semester-2 Paper I
Subject: Economics		
Course Code: ECOMJ201	Course Title: Basics of Macroeconomics & Public Finance	
Course Outcomes:		
<ul style="list-style-type: none"> • Student learn about macro economics and different theories regarding the determination of income and employment by different economists. • They learn about the consumption and investment functions. And also, about the functioning of multiplier process. • Students learn about money and banking and become able to know about the theories of inflation and unemployment etc. 		
Credits: 6 Credits	Core Compulsory	
Max. Marks:75	Min. Passing Marks:25	
Total No. of Lectures- Practical (in hours per week) : 4-0-0		

Unit	Topics	No. of Lectures
1.	Macro – economics: Meaning, Nature, scope, Importance, and Limitations, Types of Macro Economics- Macro - Statics and Macro – Dynamics. National Income Concept: Gross Domestic Product (GDP), Net Domestic Product (NDP), Gross National Product (GNP), Net National Product (NNP), Personal Income (PI), Disposable Income (DI), Measures of National Income: Product Method, Income Method, Expenditure Method & Mixed Method.	18
2.	Classical Approach to Employment: Classical Theory of Employment, Say’s Law of Market, Pigou’s Wage Cut Theory of Employment , Unemployment –Types and Causes. Keynesian Economics: Theory of Employment, Aggregate Demand and Aggregate Supply, Concept of Effective Demand, Multiplier- Investment Multiplier.	16
3.	Consumption , Saving and Investment Function: Average and Marginal Propensity to Consume, Average and Marginal Propensity to Save, Marginal Efficiency of Capital, Autonomous Investment and Induced Investment.	16
4	Public finance: Meaning, Nature, Scope and Importance. Principle of Maximum Social Advantage. Public Expenditure: Meaning, Scope, Canons, Classification and Importance. Effects of Public Expenditure. Causes for an increasing in Public Expenditure. Public Revenue: Meaning, Sources.	35

	Taxation : Meaning , Effects. Characteristics, Objectives and Canons of taxation. Direct and Indirect Taxes.	
5.	Public Debt: Meaning, Objectives and Sources. Effects and Burden of Public Debt. Types of Public Debt. Methods of Debt Redemption. Deficit Financing and Objectives of Fiscal Policy in Developing Economy.	15

Suggested Readings:

1. Ackley, G., Macroeconomics: Theory and Policy, Macmillan, New Y.
2. Dornbusch, R. and F. Stanley, Macroeconomics, Mc Graw Hill, New York.
3. Jha, R., Contemporary Macroeconomic Theory and Policy, Wiley Eastern, New Delhi
4. Dewett, K.K.: Modern Economic Theory.
5. Sethi, T.T.: Macro Arthashastra.
6. Sethi, M.L.: Macro Economics.
7. Mithani, D.M.: Macro Economics.
8. Ackley, G.: Macroeconomics: Theory and Policy.
9. Schapiro, E.: Macroeconomics Analysis.
10. Mithani, D.M.: Modern Public Finance.
11. Andley, K.K. and Sundharam, K.M.P.: Public Finance and Public Economics.
12. Chaturvedi, D.D. and Anand Mittal; Principals of Macro Economics; Kitab Mahal, Delhi.
13. Chaturvedi, D.D. et.al; Introductory Macro Economics; Kitab Mahal, Delhi.
14. एम०एल० झिंगन, उच्चतर आर्थिक सिद्धान्त, वृन्दा पब्लिकेशन, नई दिल्ली।
15. आहूजा, एच० एल०, उच्चतर आर्थिक सिद्धान्त, एस० चॉंद, नई दिल्ली।
16. के० पी० जैन एवं के० एल० गुप्ता, मैक्रो अर्थशास्त्र एवं राजस्व, नवयुग साहित्य सदन, आगरा।
17. एस० के० सिंह, लोकवित्त, साहित्य भवन आगरा।

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This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared their Certificate Course in Fundamentals of Economics.

Suggested Continuous Evaluation (25 Marks): The suggested continuous evaluation will have the following criteria-

[Assignment (10 Marks) + Assignment Presentation(10 Marks)+ Attendance (5 Marks)+]

Course Prerequisites: Must have cleared Certificate Course in Fundamentals of Economics.

Bachelor in Economics

Programme : Diploma in Economics		Year 2	Semester 3 Paper I
Subject: Economics			
Course Code: ECOMJE301	Course Title: Basic Quantitative Techniques in Economics		
Course Outcomes:			
1. Students will be able to understand the Basic concept of Mathematical Economics			
2. Students will be able to use the mathematical tools and methods in Economics			
Credits: 6 Credits		Core Compulsory	
Max. Marks:75		Min. Passing Marks: 25	
Total No. of Lectures – Practical (in hours per week) : 4-0-0			
<i>Note: Elementary Quantitative concepts with illustration from Economics with the help of graph and equations where ever 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)</i>			
Unit	Topics	No. of Lectures	
I	Definition, Scope, Importance and Limitations of Quantitative Techniques and Statistics; Primary & Secondary Data. Census & Sampling. Techniques of Data Collection, Classification and Tabulation of Data. Diagrammatic and Graphic Representation of Data.	17	
II	Measures of Central Tendency: Arithmetic Mean, Median, Mode. Measures of Dispersion: Range, Mean Deviation, Standard Deviation. Simple Correlation.	18	
III	Variables, Functions, Identities, Linear Equations in one Unknown. Simultaneous Equations in two variables, Use of Linear Functions in Economics. Differentiation of a Function. : Rules of Differentiation., Basic Economic Applications of the Derivatives. Elementary Integral Calculus. Basic Applications of Differential and Integral calculus in Economics.	20	
IV	Matrices (not more than 3 columns, 3 row case): Types, Definition and. Properties, Addition, Subtraction and Multiplication of Matrices. Determinant: Meaning, Rules of Expansion, Properties, Solution of Linear Simultaneous Equation with help of Cramer's Rule.	20	
V	Index Numbers- Price Index Number: Simple Price Relative, Weighted Price Index Number.	15	

Suggested Reading:

1. Bose, D., An Introduction to Mathematical Economics, Himalaya Publishing House, New Delhi.
2. Yamane, T., Mathematics for Economists- An Elementary Survey, Prentice Hall of India, New Delhi.
3. Allen, R.G.D., Mathematical Analysis for Economists, A.I.T.B.S., Publishers and Distributors, Delhi.
4. Chiang, A.C., Fundamental Methods of Mathematical Economics, McGraw Hill.
5. Monga, G.S., Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi.
6. Gupta, S.P., Statistical Methods, Sultan Chand, New Delhi.
7. Agrawal, D.R., Quantitative Methods, Vrinda Publications, Delhi.
8. Hindi Books
9. Gupta, K.L., ParimanatmakTakniken, NavyugSahitySadan, Agra.
10. Aggarwal, D.R., PrarambhikGanitiyArthshastra, Vrinda Publication, New Delhi.
11. Gupta, K.L., Ravikan Agarwal & Praveen Jain, Arthastastra Ki Aadharbhoot ParimanatmakVidhiyan, Navneet Prakashan, Agra.
12. Gupta, K.L. & S.K. Gupta, UccharSankhiyiki, Navneet Prakashan, Agra.
13. Singh, S.P., SankhiyikiKeMoolTatva, S. Chand, New Delhi.
14. Gupta, S.P., SankhiyikiKe Siddhant, New Delhi.
15. Lohani, Jitendra Kumar & Padam S. Bisht, Arthashastra Mein GanitiyEvmSankhikiya Vidhiyan, Kunal Books, New Delhi.

Suggested online link :

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This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared their **Diploma in Economics**.

Suggested Continuous Evaluation (25 Marks): The suggested continuous evaluation will have the following criteria –

[Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks)]

Course Prerequisites: Must have cleared **Diploma in Economics**.

Diploma in Economics		
Programme : Diploma in Economics		Year 2
		Semester 4 Paper I
Subject: Economics		
Course Code: ECOMJ401	Course Title: Money, Banking & International Trade	
Course Outcomes:		
1. The students will understand the concept of money and banking.		
2. The students will learn Indian monetary system and its working.		
Credits : 6 Credits		Core Compulsory
Max. Marks :75		Min. Passing Marks: 25
Total No. of Lectures – Practical (in hours per week) : 4-0-0		
Unit	Topics	No. of Lectures
I	Nature, Functions, Significance and Classification of Money. Role of Money in Capitalist, Socialist and Mixed Economies.	15
II	Supply and Demand for Money. Fisher's Quantity Theory of Money. Income Theory of Money. Inflation and Deflation – Definition, Types, Causes and Effects on Different Sectors.	18
III	Commercial Banking: Meaning, Functions & types of commercial banks. Central Banking: Meaning, Functions and methods of credit control. Role and Functions of the Reserve Bank of India.	20
IV	Nature, Scope and Importance of International Trade. Inter-regional and International Trade. Theories of International Trade: Theory of Absolute Advantage, Theory of Comparative Advantage. Modern Theory of Trade : Heckscher Ohlin Theory.	19
V	Balance of Payments and Balance of Trade. Disequilibrium in the Balance of Payments: Causes and Correction. Rate of Exchange: Fixed vs. Flexible Exchange Rates. Free Trade vs. Protection.	18

Suggested Reading :-

1. Ackley, G. : Macroeconomics: Theory and Policy.
2. Kindleberger, C.P. : International Economics.
3. Sodersten, Bo : International Economics.
4. K.M.P. Sumdharam, : Money, Banking and International Trade, Sultan Chand, New Delhi.
5. Sethi, T. T., Money, Banking & International Trade, S chand, New Delhi.
6. Jalal, R. S., N. S. Bisht, Emerging Dimensions of Global Trade: Discussions on Trade Related Policies, Sarup & Sons, New Delhi
7. Jalal, R. S., Trade Policy and Global Participation: Indian Experience, Sarup & Sons, New Delhi
8. झिगन, एम. एल., अन्तर्राष्ट्रीय अथशास्त्र, वृन्दावनपब्लिकेशन, नईदिल्ली

9 अग्रवाल एवंबरला, अन्तर्राष्ट्रीय अर्थशास्त्र

10 सेठी, टी.टी., मुद्राबैंकिंग एवं अन्तर्राष्ट्रीय व्यापार, लक्ष्मी नारायण अग्रवाल, आगरा

11 सिंघई, जी.सी. एवं जे. पी. मिश्रा, मुद्राबैंकिंग एवं अन्तर्राष्ट्रीय व्यापार, साहित्य भवन पब्लिकेशनस, आगरा

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This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared their Certificate Course in Fundamentals of Economics.

Suggested Continuous Evaluation (25 Marks): The suggested continuous evaluation will have the following criteria –

[Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks)]

Course Prerequisites: Must have cleared Certificate Course in Fundamentals of Economics.

Bachelor in Economics			
Programme : Bachelor in Economics		Year 3	Semester 5 Paper I
Subject : Economics			
Course Code : ECOMJ501	Course Title : Indian Economy		
Course Outcomes:			
1. The students will come to know the Features of Indian Economy.			
2. The students will Learn Agriculture, Industrial and Service Sectors of the economy.			
3. The students will get familiar with various Poverty Alleviation and Employment Generation Schemes.			
Credits :5 Credits		Core Compulsory	
Max. Marks :75		Min. Passing Marks: 25	
Total No. of Lectures – Practical (in hours per week) : 4-0-0			
Unit	Topics		No. of Lectures
I	Indian Economy – Nature, structure and Features. Natural Resources – Land, water, Forest and Minerals. Infrastructure – Importance and its development in India.		13
II	Demographic Profile of Indian Economy –Population composition and main characteristics of Indian population according to current census, Problems of Population and New Population Policy in India.		13
III	Agricultural structure in India – Importance& Nature. Agricultural Holdings and Land Reforms. Green Revolution. Agricultural Rural Labour. Agricultural Finance and Marketing. Agriculture Policy.		15
IV	Industry- Growth & Problems of Heavy, Medium, Small & Cottage Industries in India since globalisation. Industrial Finance. Make in India and SKILL Development Programme, Digital India, Jan Dhan Yojna. New Industrial Policy.		16
V	Nature and Estimation of Unemployment in India, Causes, types and remedies of Unemployment. Concept of Poverty, Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGA).DeenDayalUpoadhyaya National Rural Livelihood Mission (DDU-NRLM)		18

Suggested Reading:

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

8th रूद्रदत्त एवं के० एम० पी० सुन्दरम, भारतीय अर्थव्यवस्था, एस० चौद, नईदिल्ली।
9 मिश्रा एवंपुरी, भारतीय भारतीय अर्थव्यवस्था, हिमालयापब्लिकेशन, दिल्ली।

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This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared their **Diploma in Economics**.

Suggested Continuous Evaluation (25 Marks): The suggested continuous evaluation will have the following criteria –

[Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks)]

Course Prerequisites: Must have cleared **Diploma in Economics**.

Bachelor in Economics

Programme : Bachelor in Economics

Year 3

Semester 5
Paper II(a)

Subject : Economics

Course Code : ECOMJE501

Course Title : Basics of Labour Economics

Course Outcomes :

1. The students will learn the importance of labour economics.
2. The students will get familiar with characteristics of Industrial labour.
3. The students will come to know about labour legislation and labour unions.
4. The students will learn Social Security and Labour Welfare measures for labours.

Credits : 5 Credits

Core Compulsory Elective

Max. Marks : 75

Min. Passing Marks: 25

Total No. of Lectures – Practical (in hours per week) : 4-0-0

Unit	Topics	No. of Lectures
I	Meaning & Importance of Labour Economics. Characteristics of Indian Industrial Labour Market. Migratory Character. Absenteesm, Labour Turnover. Unemployment – Causes, Types and Remedies., Recruitment of Industrial Labour : Through intermediately, Direct & Contract.	16
II	Types of Wage Determining Theory - Classical & Modern. Various Concept of Wages – Minimum Wage, Fair Wage and Living Wage. Organised and Unorganised Labour, Rural Labour, Agricultural labour.	15
III	Labour Union – Meaning, Importance and Functions of Labour Unions, Methods of Settlement of Industrial Disputes - Preventive Measure & Settlement Measures.	15
IV	Labour Legislation in India- Factory Act 1948, Indian Labour Laws - Mines & Plantation.	13
V	State and Social Security of Labour – Concept of Social Security - Social Assistance and Social Insurance, Social Security in India, Labour Welfare in India, Causes & Problems of Child & Women labour in India.	16

Suggested Reading:

1. Allen, V.L.: Power in Trade Unions.
2. Beveridge, W.H.: Social Security Plan.
3. Chamberlain, N.W.: Collective Bargaining.
4. Clow, A. G.: Indian Factory Legislation.
5. Das, N.: Unemployment and Full Employment in India.
6. Deshpande, L.K. Brahmmananda P. R. (Ed.) : Employment Policy in a Developing Economy.
7. Deshpande, D. K. and Sandesara, J.C. (Ed.) : Wage Policy and Wage Determination in India.
8. Dobb, M. : Wages.
9. Gilman, N.P. : Profit Sharing Between Employer and Employee.
10. Gadgil, D.R. : Women Workers in India.

11. Hicks, J.R. : Theory of Wages.
12. Giri, V.V. : Labour Problems in Indian Industry.
13. Joshi, N.N. : Trade Union movement in India.
14. Kaul, N.N. : India and the I.L.O..
15. Kether, D.P. : India's Labour Welfare.
16. Mukerjee, R.K. : The Indian Working Class.
17. Mukerjee, P.K. : Labour Legislation in India.
18. टी० एन० भगोलीवाल, श्रम अर्थशास्त्र एवं औद्योगिकसंबंध।
19. Memoria, C.B. : Labour Problems and Social Welfare in India. (हिन्दी रूपान्तर)

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This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared their **Diploma in Economics**.

Suggested Continuous Evaluation (25 Marks): The suggested continuous evaluation will have the following criteria –

[Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks)]

Course Prerequisites: Must have cleared **Diploma in Economics**.

Bachelor in Economics			
Programme : Bachelor in Economics		Year 3	Semester 5 Paper II(b)
Subject : Economics			
Course Code : ECOMJE502	Course Title : Basics of Agriculture Economics		
Course Outcomes:			
1. The student will come to know the basics of agriculture and rural economics. 2. The student will get familiar with land distribution and agriculture production. 3. The student will learn the diversification in agriculture and about agriculture finance.			
Credits : 5 Credits		Core Compulsory Elective	
Max. Marks :75		Min. Passing Marks: 25	
Total No. of Lectures – Practical (in hours per week) : 4-0-0			
Unit	Topics	No. of Lectures	
I	Nature , scope and types of Agricultural Economics : Sustainable, organic, agro forestry. Role of Agriculture in development of Economy. Recent Trends in Agricultural Growth in India.	15	
II	Land Distribution – Structure and Trends. Land Tenures Land Reforms in India during post independence period. Rural Labour Supply. Agricultural Wages in India.	15	
III	Agricultural Production – Resource Use and Efficiency. Demand and Supply and Allocation of Basic Inputs- Labour, Land, Livestock Energy, Machinery and Equipment. Emerging Trends in Agricultural Technology.	15	
IV	Diversification of Agriculture : Agriculture and Allied Activities. Revolutions in Agriculture - Green Revolution, White Revolution. Blue Revolution. Role of Women in Agriculture.	15	
V	Agricultural Finance in India - Institutional and Non-institutional Sources. Rural Credit – Cooperatives, Regional Rural Banks. Role of NABARD. Agricultural Market Structure and Imperfections. Food Security in India. Public Distribution System.	15	

Suggested Reading:

1. Heady, E.O. : (ed.) Economic Development of Agriculture.
2. Snodgrass, Milton M. and L.T. Wallace : Agricultural Economic and Resource Management, Prentice Hall of India Pvt. Ltd., 1977.
3. Eicher, Earl and Lawrence Witt (ed.): Agriculture in Economic Development: Vora Co. Pub. Pvt. Ltd. 1970.
4. Shah, C.H. and C.N. Vakil (ed.) : Agriculture Development of India : Policy and Problems, Orient Longman, 1979.
5. Southworth N. and A. Johnston : Agriculture Development and Economic Growth, Cornell University Press.
6. एस० बी० गुप्ता, कृषिअर्थशास्त्र, एस० बी० पी० डी० पब्लिकेशनआगरा।
7. Chaudhari, Pramit : Selected Readings in Indian Agriculture.
8. Govt. of India : Report of the National Commission on Agriculture.
9. R.S.Jalal, "RURAL DEVELOPMENT IN INDIA : ISSUES AND POLICY" (Vol. I & II), Anmol
10. Publication, New Delhi
11. Rao. H.H. : Technological Change and Distribution of Gains.

12. Rudra, Ashok : Indian Agricultural Economics : Myths and realities, Allied Pub., New Delhi, 1982.
13. Mitra, A : Terms of Trade and Class Relations.
14. Schultz, T.W. : Economic Crisis in World Agriculture.
15. Schultz, T.W. : Transforming Traditional Agriculture
16. Govt. of India: Five year Plans (Documents)

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Suggested Continuous Evaluation (25 Marks): The suggested continuous evaluation will have the following criteria –

[Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks)]

Course Prerequisites: Must have cleared Diploma in Economics.

Bachelor in Economics		
Programme : Bachelor in Economics		Year 3 Semester 5 Paper II(c)
Subject : Economics		
Course Code: ECOMJE503	Course Title: Basics of Demography	
Course Outcomes:		
1. The students will come to know population growth and economic development. 2. The students will come to know about migration and its features. 3. The students will be able to understand the concept of demographical development of India,		
Credits : 5 Credits		Core Compulsory Elective
Max. Marks :75		Min. Passing Marks: 25
Total No. of Lectures – Practical (in hours per week) : 4-0-0		
Unit	Topics	No. of Lectures
I	Meaning ,Scope& importance of Demography. Theories of Population: Malthusian Theory, Optimum Theory& Theory of Demographic Transition.	15
II	Fertility & Mortality Statistics :Crude Birth Rate (CBR), Maternal Age, Death Rate, Sex Ratio, Life Expectancy, Infant Mortality Rate (IMR), Fertility Rate. Child Health in India. Temporal and Spatial Variation in Sex Ratios. Methods of Population Projection.	18
III	Migration : Meaning, Types and Measurement. Causes and Effects of Internal and International migrations. Urbanisation - Causes and effects.	12
IV	Population Growth and Economic Development. Qualitative Control of Population. Human Development Index (HDI), Gender Development Index (GDI). Effects of Population Growth in Indian economy.	15
V	Sources of Demographic Data in India. Population Census in India – Nature, Methods, Problems and Defects. Salient Features of current Population Census. Family Planning Programmes in India.	15

Suggested Reading:

1. Agarwal, U.D.: Population Projections and Their Accuracy, B.R.Publishing Corporation, New Delhi.
2. Bhende,A.A. and T.R.Kanitkar: Principles of Population Studies, Himalaya Publishing House, Bombay.
3. Bogue, D.J.: Principles of Demography, John Wiley, New York.
4. Bose, A.:India's Basic Demographic Statistics, B.R.Publishing Corporation, New Delhi.
5. Census of India: Various Reports.
6. Choubey,P.K.: Population Policy in India, Kanishka Publications, New Delhi.
7. Misra, B.D.: An Introduction to the Study of Population, South Asia Publishers, New Delhi.
8. Srinivasan, K.: Basic Demographic Techniques and Applications, Sage Publications, New Delhi.
9. Krishnaji,M., R.M.Sudrashan and A.Shariff: Gender Population and Development, OUP, New Delhi.

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www.inflibnet

This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared their **Diploma in Economics**.

Suggested Continuous Evaluation (25 Marks): The suggested continuous evaluation will have the following criteria –

[**Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks)]**

Course Prerequisites: Must have cleared **Diploma in Economics**.

Bachelor in Economics

Programme: Bachelor in Economics

Year 3

Semester 5
Paper –II(b)

Subject : Economics

Course Code :
ECOMJE504

Course Title :
Research
Methodology

Course Outcomes: The course will help in:

- The students will learn about research, its methods and its use in Economics
- This course will help students to learn research design, data collection method, sampling and Hypothesis etc .
- The students will learn about interpretation of data.

Credits : 5 Credits

Core Compulsory Elective

Max. Marks : 75

Min. Passing Marks: 25

Total No. of Lectures – Practical (in hours per week) : 4-0-0

Unit	Topic	No. of Lectures
I	Research – Meaning, Definition, Nature, Scope, Objectives, Types, Approaches, Motive, Significance. Methods of Research. Research Methodology Selection and Formulation of Research Problem.	14

II	Research Design – Meaning, Importance, Types, Characteristics, Significance and Methods. Formulation of Research Proposal – Illustration, Literature Review & Reference collection.	16
III	Data Collection Methods – Observation, Interview, Case Study, Survey, Preparation of Questionnaire & Schedules. Primary and Secondary Data. Basics of Sampling – Methods & Sampling Design, Measurement & Scales. Classification & Tabulation of data. Role of Tabulation parts of a table. General rules of tabulation. Types of tables.	17
IV	Diagrammatic and graphic presentation of data. Formulation of Hypothesis – Meaning, definition, Characteristics, Need & Problems.	13
V	Interpretation of Data. Report Writing. Computers and research in social sciences. Different Referencing Styles & Plagiarism.	15

Suggested Reading:

1. R.N.Trivedi & D.P.Shukla : Research Methodology (in Hindi).
2. Kumar : Research Methodology.
3. पारसनाथ राय, अनुसंधान परिचय।
4. एच० के कपिल, अनुसंधान विधियां।

5. Tandon : Research Methodology in Social Sciences.
6. Kothari, D.S. : Research Methodology.
7. Economic Times, Financial Express and other Newspapers.
8. Cauvery,R., ed.al., Research Methodology, S. Chand, New Delhi.
9. Sharma, Manoj, Research Methodology, Anmol Publications, New Delhi, 2004.
10. Sharma, R.D., Research Methods in social sciences.
11. Pant, S.K., Research Methodology.
12. Meser, C.A., Survey methods in social investigation.

Bachelor in Economics		
Programme : Bachelor in Economics		Year 3 Semester 5 Paper III
Subject : Economics		
Course Code : ECORP501	Course Title : Field Survey	
Credits : 4 Credits	related to regional Economy of Uttarakhand Core Compulsory	
Max. Marks : 100	Min. Passing Marks: 33	
Total No. of Lectures – Practical (in hours per week) : 4-0-0		

Note : The student will be required to collect information on any economic activity.

This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared their Diploma in Economics.

Suggested Continuous Evaluation (25 Marks):

Course Prerequisites: Must have cleared Diploma in Economics.

Bachelor in Economics

Programme : Bachelor in Economics

Year 3

Semester 6
Paper I

Subject : Economics

Course Code :
ECOMJ601

Course Title : Economic Development & Indian Economic Thinkers

Course Outcomes :

1. The students will be able to understand the development theories along with the conceptual issues in growth and development.
2. The students will be able to understand about Indian Economic Thinkers.

Credits : 5 Credits

Core Compulsory

Max. Marks :75

Min. Passing Marks: 25

Total No. of Lectures – Practical (in hours per week) : 4-0-0

Unit	Topics	No. of Lectures
I	Meaning and Measurement of Economic Growth and Development, Measuring Development and Development Gap, GDP, GNP, Per Capita Income, Factors affecting Economic Growth and Development: Economic and Non-economic factors.	14
II	Economic Models: Adam Smith, Ricardo, Malthus and Marxian theory of Capitalist Development. Schumpeter Model.	16
III	Theories of Development: Vicious Circle Theory, Theory of Big Push, Critical Minimum Effort Thesis, Theory of Low-Level Equilibrium Trap, Balanced and Unbalanced Growth.	15
IV	Economic Thought of Kautilya, Mahatma Gandhi, B.R. Ambedkar, Dada Bhai Naroje.	16
V	Economic Thought of J.K.Mehta, Pandit Deen Dayal Upadhyay, Dr. Ram Manohar Lohiya, Dattopant Thengdi - Swadeshi Movement.	14

Suggested Reading :

1. Ghatak, S., (1986), An Introduction to Development Economics, Allen and Unwin, London.
2. Thriwall, A. P., (1978), Growth and Development, McMillan, London.
3. Meier, G.M., (1984) : Leading Issues in Economic Development, Oxford University Press, New
4. Higgins, B. (1959) : Economic Development, Norton , New York
5. Kindlerberger, C.P. and B. Harrik (1983) : Economic Development, McGraw-Hill, Tokyo.
6. Salvatore, D. and E. Dowling (1977) : Development Economics, Schuam's Outline Series in Economics, McGraw
7. Agarwal, A. N. and S.P. Singh, (Eds.) (1985) : Economics of Underdevelopment O.U.P., Lon.
8. Adelman I (1969) : Theories of Economic Growth and Development, Stanford University Press, Stanford
9. Sen, A.K. (ed.) (1971) : Growth Economics, Penguin, Harmondsworth.

10. Sundaram, R.M. (1984) : Development Economics : A Framework for Analysis and Policy.
11. Chenery, H. : Redistribution with Growth, Oxford University Press
12. Todaro, M.P. : Economic Development, Longman, London
13. United Nations : Human Development Report.
14. Misra, S.K. & V.K. Puri, Economics of Growth and Development, Himalaya Publishing House, Mumbai.
15. Ganguli, B.N.: Indian Economic Thought: A 19th Century Perspective.
16. वी०सी० सिन्हा, आर्थिक विचारों का इतिहास, एस० बी० पी० डी० पब्लिकेशन आगरा।

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This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared their **Diploma in Economics**.

Suggested Continuous Evaluation (25 Marks): The suggested continuous evaluation will have the following criteria –

[Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks)]

Course Prerequisites: Must have cleared **Diploma in Economics**.

Bachelor in Economics

Programme : Bachelor in Economics

Year 3

Semester 6

Paper II(a)

Subject : Economics

Course Code: ECOMJE601

Course Title : History of Economic Thought

Course Outcomes:

1. The students will come to know the thoughts of Mercantilism and Physiocracy.
2. The students will come to know about Classical period thinkers in economics.
3. The students will know about Nationalist & Welfare Economists.

Credits : 5 Credits

Core Compulsory Elective

Max. Marks : 75

Min. Passing Marks: 25

Total No. of Lectures – Practical (in hours per week) : 4-0-0

Unit	Topics	No. of Lectures
I	Economic Ideas of Mercantilism, Economic Ideas of Physiocrats	10
II	Classical Period: Adam Smith, J.B.Say, David Ricardo Thomas R. Malthus	15
III	Socialists and Associationism — St. Simon and Simonians, Sismondi, Robert Owen, Karl Marx — Labour Theory of Surplus Value	15
IV	Nationalist, Mathematical and Austrian School & Welfare Economist - Fredrick List, Irving Fisher, Karl Menger, Pigou & Keyens.	15
V	Indian Economist: Narouji, Ranade, Gandhian Economics, Gokhle, J.K. Mehta, Amartya Sen, Deen Dayal Upadhyay.	20

Suggested Readings :

1. Schumpeter, J.A.: A History of Economic Analysis.
2. Stigler, G.J.: Essays in the History of Economics.
3. Dobb, Maurice: Theories of Value and Distribution since Adam Smith.
4. Obrien: Classical Theory of Value and Distribution.
5. Gide and Rist : History of Economic doctrines. (fgUnh :ikUrj)
6. Meek, R.L.: Physiocracy.
7. Meek R.L.: The Labour Theory of Value.
8. Ricordo, David: Principles of Political Economy and Taxation Edited by P. Sraffa.
9. Smith, A.: Wealth of Nations, Book I, Chap. I to X.
10. Blaug, Mark: Economic Theory in Retrospect.
11. Stigler, G.J.: Production and Distribution Theories.
12. Roll, Eric: History of Economic Thought.
13. Haney: History of Economic Thought.
14. Sheshadri, G.B.: Economic Doctrines.
15. Ganguli, B.N.: Indian Economic Thought: A 19th Century Perspective.

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This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared their **Diploma in Economics**.

Suggested Continuous Evaluation (25 Marks): The suggested continuous evaluation will have the following criteria –

[Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks)]

Course Prerequisites: Must have cleared **Diploma in Economics**.

Bachelor in Economics		
Programme : Bachelor in Economics		Year 3 Semester 6 Paper II(b)
Subject : Economics		
Course Code : ECOMJE602	Course Title : Basics of Industrial Economics	
Course Outcomes :		
1. The students will come to know about Industrial Process, growth of Firm and Process of Innovation.		
2. The students will study rationalism and effects of globalization on industry.		
Credits : 5 Credits		Core Compulsory Elective
Max. Marks :75		Min. Passing Marks: 25
Total No. of Lectures – Practical (in hours per week) : 4-0-0		
Unit	Topics	No. of Lectures
I	Scope and Method of Industrial Economics. Industrial Efficiency: Organisational Form and Alternative Motives of the Firm. Efficiency and Size of the Firm. Concept and Measurement of Profitability. Determinants of Profitability.	15
II	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.	15
III	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.	15
IV	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.	15
V	Industrialisation: Rationale, Objectives, Strategies and Policies. Industrialisation and Regional Development. Employment Implications of Industrialisation. Need for Government Intervention in Industry. New Industrial Policy of India.	15

Suggested Readings :

1. Ahluwalia, I.J.: Industrial Growth in India, OUP, New Delhi.
2. Barthwal, R.R.: Industrial Economics, Wiley Eastern, New Delhi.
3. Jalal, R.S.: "Industrial Entrepreneurship", Anmol Publication, New Delhi.
4. Cherunilam, F.: Industrial Economics: Indian Perspective, Himalaya Publishing House, Mumbai.
5. Desai, B.: Industrial Economy in India, Himalaya Publishing House, Mumbai.
6. Hay,D. and D.J.Morris: Industrial Economics: Theory and Evidence, OUP, New Delhi.
7. Kuchhal, S.C.: Industrial Economy of India, Chaitanya Publishing House, Allahabad.
8. Government of India: Economic Survey (Annual).

9. Smith, D.M.: Industrial Location: An Economic and Geographical Analysis, John Wiley, New York.
10. Mamoria and Mamoria: Dynamics of Industrial Relations in India, Himalaya Publishing House, Mumbai.

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This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared their **Diploma in Economics**.

Suggested Continuous Evaluation (25 Marks): The suggested continuous evaluation will have the following criteria –

[Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks)]

Course Prerequisites: Must have cleared **Diploma in Economics**.

Bachelor in Economics

Programme : Bachelor in Economics	Year 3	Semester 6 Paper II(c)
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Subject : Economics

Course Code : ECOMJE603	Course Title : Economy of Uttarakhand
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Course Outcomes :

1. The course introduces about the economy of Uttarakhand and demographic profile of Uttarakhand.
2. The student will learn agriculture and industrial profile of Uttarakhand economy.
3. The student will come to know about various poverty alleviation programmes in Uttarakhand.
4. The students will come to know about various employment generation programmes in Uttarakhand.

Credits : 5 Credits

Core Compulsory Elective

Max. Marks :75

Min. Passing Marks: 25

Total No. of Lectures – Practical (in hours per week) : 4-0-0

Unit	Topics	No. of Lectures
I	Economy of Uttarakhand - Introduction & Characteristics. Demographic Profile of Uttarakhand. Natural Resources in Uttarakhand.	10
II	Agricultural Profile – Agriculture & allied sector in Uttarakhand. Animal Husbandry and Dairy Farming in Uttarakhand. Problems in Agriculture Sector.	15
III	Industrial Profile of Uttarakhand - Heavy Industries, MSME in Uttarakhand, New Industrial Policies. Problems of Village and Cottage Industries.	15
IV	Tourism sector in Uttarakhand. Problems of Migration & Reverse Migration in Uttarakhand. Role of Women in Uttarakhand's Economy.	15
V	Unemployment and Poverty in Uttarakhand. Various Poverty Alleviating Programmes in Uttarakhand. Mukhyamantri Swarozgar Yojna. Mukhyamantri Saur Swarozgar Yojna, Veer Chandra Singh Garhwali Yojna, National Rural Livelihood Mission, National Urban Livelihood Mission.	20

Suggested Readings :

1. Pandey, P.C., D.C. Pandey, P.S. Bisht, Rajnish Pande : Economy of Uttaranchal Profile and Dynamics of Change, co-ed. Anamika Publishers & Distributors Pvt. Ltd. New Delhi.
2. Pandey, R.K., Rajnish Pande & Padam S. Bisht : Economy of Uttaranchal - Profile and Dynamics of Change, co-ed., Anamika Publishers & Distributors (P) Ltd., New Delhi.
3. Bisht, Padam S.; Tourism Development in Kumaon, Anamika Publishers & Distributors Pvt. Ltd. New Delhi.
4. Lohani, Jitendra Kumar & Padam S. Bisht: Uttarakhand Ki Arthvyavastha, Kunal Books, New Delhi.

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This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared their **Diploma in Economics**.

Suggested Continuous Evaluation (25 Marks): The suggested continuous evaluation will have the following criteria –

[Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks)]

Course Prerequisites: Must have cleared **Diploma in Economics**.

Bachelor in Economics

Programme : Bachelor in Economics		Year 3	Semester 6 Paper II(d)
Subject : Economics			
Course Code : ECOMJE604		Course Title : Basics of Computer Application in Economics	
Course Outcomes : 1. The students will come to know about various devices related to computer system. 2. The students will come to know about the number system used in computer system. 3. The students will get familiar with various types of Basic Computer Application software's. 4. The students will come to know about word processing software and internet.			
Credits : 5 Credits		Core Compulsory Elective	
Max. Marks : 75		Min. Passing Marks: 25	
Total No. of Lectures – Practical (in hours per week) : 4-0-0			
Unit	Topics	No. of Lectures	
I	Introduction to computer system, uses, types. Data Representation: Number systems and character representation, Components of Computer System. binary. Devices: Input and output devices. Memory: Primary, Secondary, & Auxiliary Memory. Printers and it's types - impact and non-impact printers.	15	
II	Number system - Binary number system, Octal & Hexa-Decimal system. Arithmetic operations of Binary Numbers. Overview of Emerging Technologies: Bluetooth, cloud computing, big data, datamining, mobile computing and embedded systems. Use of Computers in Education and Research: Data analysis, e-Library, Google Scholar	15	
III	Types of software, Operating system as user interface & utility programs - Operating System, Application Programme, Programming Language. Virus & Antivirus Softwares.	15	
IV	Introduction to Word Processing Software - MS-Office & Introduction to Desktop Publishing. Spreadsheet and database package software - MS-Excel & Introduction to MS-Access. Data Presentation Software - MS-Powerpoint.	15	
V	Introduction to Internet – Browsers – Search Engine - WWW – Internet Protocols – FTP – TELNET – HTTP - E-mail –How to create E-mail – Internet Vs Intranet - Webpage – URL.	15	

Suggested Readings :

1. Sanders, D.H.: Computers Today, McGraw Hill, New York.
2. Sinha, P.K.: Computer Fundamentals, BPB Publications, New Delhi.
3. Rajaraman, V.: Fundamentals of Computers, Prentice Hall of India, New Delhi.

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This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared their **Diploma in Economics**.

Suggested Continuous Evaluation (25 Marks): The suggested continuous evaluation will have the following criteria –

[Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks)]

Course Prerequisites: Must have cleared **Diploma in Economics**.

Bachelor in Economics		
Programme : Bachelor in Economics	Year 3	Semester 6 Paper III
Subject : Economics		
Course Code : ECORP601	Course Title : Research Project based on Field survey (uttarakhand)	
Credits : 4 Credits	Core Compulsory	
Max. Marks : 100	Min. Passing Marks: 33	
Total No. of Lectures – Practical (in hours per week) : 4-0-0		
Note: The Research Project will be based on Primary /Secondary Data.		

Note :-The students are required to prepare a research project of 30-50 pages based on Primary / Secondary data on the topic allotted by the concerned teacher.

This course can be opted as an elective by the students of following subjects: Those students who have successfully qualified Diploma in Economics are eligible for this course.

Course Prerequisites: Successfully completion of Diploma in Economics.

Minor Elective

[4 Credits]

- ***Fundamentals of Economics***
- ***Indian Economy & Economy of Uttarakhand***

[Note :- Minor Elective Paper to be opted by students of other Department.]

Certificate Course in Fundamentals of Economics		
Programme : <i>Certificate Course in Fundamentals of Economics</i>	Year 1	Semester 1 or 2 Paper II
Subject : Economics		
Course Code : ECOMIE101	Course Title : Fundamentals of Economics	
Course Outcomes :		
1. The student will come to know about the fundamentals of Economics.		
2. The student will come to know about Micro & Macro Economics.		
3. The student will get familiar with various economic systems.		
4. The students will learn Banking system & Public Finance.		
Credits : 4 Credits	←	Minor Elective
Max. Marks : 75		Min. Passing Marks: 25
Total No. of Lectures – Practical (in hours per week) : 4-0-0		
Unit	Topics	No. of Lectures
I	Meaning, nature & Scope of Micro Economics. Concept of Cardinal & Ordinal approach of Utility. Indifference Curve Analysis. Consumer Equilibrium. Concept of Demand.	13
II	Meaning, Nature & Scope of Macro Economics. Type of Macro Economics. Circular flow of Income. Concept of Inflation and Employment.	13
III	Capitalist, Socialist & Mixed Economy. Problems of Resource Allocation.	12
IV	Types & Classification of Money. Central Bank - RBI. International & Inter -regional Trade.	12
V	Meaning & Scope of Public Finance. Concept of Direct & Indirect Tax.	10

Suggested Readings :

1. Chaturvedi, D.D. & Anand Mittal; Principals of Macro Economics ; Kitab Mahal, Delhi
2. Mithani, D.M. : Macro Economics.
3. Ackley, G. : Macroeconomics: Theory and Policy.

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This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared their 10+2 or equivalent examination in any stream.

Suggested Continuous Evaluation (25 Marks): The suggested continuous evaluation will have the following criteria –

[Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks)]

Course Prerequisites: Must have basic knowledge of Economics.

Certificate Course in Fundamentals of Economics		
Programme : <i>Diploma in Economics</i>	Year 1	Semester 3 or 4 Paper II
Subject : Economics		
Course Code : ECOMIE101	Course Title : Indian Economy & Economy of Uttarakhand	
Course Outcomes :		
1. The student will come to know about the fundamentals of Indian Economy.		
2. The student will get familiar to the Economy of Uttarakhand.		
Credits : 4 Credits	Minor Elective	
Max. Marks : 75	Min. Passing Marks: 25	
Total No. of Lectures – Practical (in hours per week) : 4-0-0		
Unit	Topics	No. of Lectures
I	Structure and Features of Indian Economy. Introduction to Agriculture, Industrial & Tertiary Sectors in Indian Economy.	12
II	Features & Demographic Profile of India. Success story of Indian Plans & NITI AAYOG.	12
III	Features of Economy of Uttarakhand. Agriculture and Industrial Profile of Uttarakhand.	12
IV	Migration and Reverse Migration in Uttarakhand.	12
V	Role of Tourism and Women in economic development of Uttarakhand.	12

Suggested Readings :

1. Agrawal, A.N. : Indian Economy, WishwaPrakashan, New age International (P) Limited, New Delhi.
2. Misra, S. K. & V. K.Puri : Indian Economy.
3. RuddarDatt & K. M. P.Sundharam: Indian Economy, S. Chand, New Delhi.
4. Bimal Jalan : Problems of Indian Economy.
5. 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.
6. Pandey, R.K., Rajnish Pande & Padam S. Bisht : Economy of Uttaranchal - Profile and Dynamics of Change, co-ed., Anamika Publishers & Distributers (P) Ltd., New Delhi.
7. Bisht, Padam S.; Tourism Development in Kumaon, Anamika Publishers & Distributors Pvt. Ltd. New Delhi.
8. Lohani, Jitendra Kumar & Padam S. Bisht: Uttarakhand Ki Arthvyavastha, Kunal Books, New Delhi.

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