

National Education Policy 2020

Department of Economics

Provisional Syllabus for Bachelor of Arts in Economics

Four Year Undergraduate Honours /Research Program under NEP



REVISED

BBMK University, Dhanbad

Semester-wise Titles of the Papers (Major)					
Year	Sem.	CourseCode	Title of the Paper	Theory/ Practical	Credits
Certificate Course in Fundamentals of Economics					
FIRST- YEAR	I	ECOMJ-1	Principles of Microeconomics	Theory	4 Credits
	II	ECOMJ-2	Principles of Macroeconomics	Theory	4 Credits
		ECOMJ-3	Indian Economy	Theory	4 Credits
Diploma in Economics					
SECOND YEAR	III	ECOMJ-4	Introductory Statistics for Economics	Theory	4 Credits
		ECOMJ-5	Public Finance	Theory	4 Credits
	IV	ECOMJ-6	Money & Banking	Theory	4 Credits
		ECOMJ-7	Environmental Economics	Theory	4 Credits
		ECOMJ-8	Jharkhand Economy	Theory	4 Credits
Bachelor in Economics					
THIRD YEAR	V	ECOMJ501	History of Economic Thought	Theory	4 Credits
		ECOMJ502	Advanced Macroeconomics	Theory	4 Credits
		ECOMJ503	Economics of Market, Distribution & Welfare	Project	4 Credits
	VI	ECOMJ601	Principles of Agriculture Economics	Theory	4 Credits
		ECORP602	Economics of Growth & Development	Theory	4 Credits
		ECOMJ603	Introductory Mathematics for Economics	Theory	4 Credits
		ECOMJ604	International Trade	Theory	4 Credits

Minor Papers					
Year	Semester	Paper Code	Title of the Paper	Theory	Credits
<i>1st</i>	<i>I</i>	<i>ECO-MN-1</i>	<i>Introductory Economics</i>	<i>Theory</i>	<i>4 Credits</i>
<i>2nd</i>	<i>III</i>	<i>ECO-MN-2</i>	<i>Money and Banking</i>	<i>Theory</i>	<i>4 Credits</i>
<i>3rd</i>	<i>V</i>	<i>ECO-MN-3</i>	<i>Indian Economy</i>	<i>Theory</i>	<i>4 Credits</i>
<i>4th</i>	<i>VII</i>	<i>ECO-MN-4</i>	<i>Public Finance & International Trade</i>	<i>Theory</i>	<i>4 Credits</i>

Multidisciplinary Course			
<i>ECO-MDC</i>	<i>Introductory Economics</i>	<i>Theory</i>	<i>3 Credits</i>

Minor From Vocational			
CODE	SEM	PAPER	CREDITS
ECO-MN-2A	II	Financial Literacy and Banking Sector	4
ECO-MN-2B	IV	Tourism and Travel Management	4
ECO-MN-2C	VI	Entrepreneurship Development	4
ECO-MN-2D	VIII	Data Analysis	4

Semester I
ECOMJ-1
Principles of Micro Economics

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome: *The Outcome of the paper is to analyse the economic behaviour of individuals, firms and markets. It is mainly to equip the students in a rigorous and comprehensive understanding with the various aspects of consumer behaviour and Economic Welfare, Firms behaviour and the theory of imperfect markets and equilibrium in different conditions.*

*For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.*

Unit 1: Introduction

1.1: Subject Matter of Economics

1.2: Nature and Scope of Economics: Micro and Macro Economics; Positive and Normative Economics; Dynamic and Comparative Static Economics.

1.3: Methodology in Economics: Deductive and Inductive Methods.

1.4: Central Economic Problems: Scarcity and Choice; Production Possibility Curve

Unit 2: Consumer Behavior

2.1 Cardinal Utility Analysis: Total and marginal Utility; Law of Diminishing Marginal Utility; Law of Equi-Marginal Utility; Consumer's Equilibrium.

2.2 Ordinal Utility Analysis: Indifference Curves; Budget Constraints; Consumer's Equilibrium.

2.3 Price Effect; Substitution Effect (Hicks and Slutsky); Income Effect.

2.4 Income Consumption Curve (ICC) and Price Consumption Curve (PCC); Normal, Inferior and Giffen Goods.

2.5 Consumer's Surplus: Marshall and Hicks.

Unit 3 : Demand Analysis

3.1 Meaning of Demand; Derivation of individual Demand Curve under Cardinal and Ordinal Utility Analysis; Market demand curves for a product

3.2 Law of Demand; Factors Influencing Demand; Shifts in demand; Increase and Decrease in demand; Engels' Curve;

3.3 Elasticity of Demand; Price; Income and Cross Elasticity; Factors affecting Elasticity of demand

Unit 4: Theory of Production

4.1: Production Function: Short run and Long Run

4.2: Law of Variable Proportions

4.3: Returns to Scale, Economies of Scale

4.4: Cobb-Douglas Production Function: It's Properties

4.5: Isoquant: Properties; Iso- Cost Line; Producer's Equilibrium; Expansion Path

Suggested Readings:

1. Karl E. Case and Ray C Fair, *Principles of Economics*, Pearson Education Inc.
2. N. Gregory Mankiw, *Economics: Principles and Applications*, Centage Learning India Private Limited.
3. Joseph E. Stieglitz and Carl E. Walsh, *Economics*, W.W. Norman & Company.
4. C. Snyder and W. Nicholson, *Fundamentals of Micro Economics*, CengageLearning, India.
5. B. Douglas Bernheim and Micgael D. Winston, *Micro Economics*, Tata McGraw Hill, India.
6. Alfred W. Stonier and Douglas C. Hague, *A Textbook of Economic Theory*, E L B S and Longman Gr. Ltd.
7. H.L. Ahuja, *Advanced Economic Theory*, S. Chand Publication, New Delhi
8. M.L.Seth, *Micro Economics*, Lakshmi Narayan Publication , Agra.

SEMESTER-II
ECOMJ-2
Principles of Macro Economics

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Couse Outcome: Upon completion Students will develop a solid understanding of key macroeconomic concepts, including national income accounting, aggregate demand and supply, inflation, unemployment, and economic growth. Students will gain the ability to analyze and interpret macroeconomic indicators such as Gross Domestic Product (GDP), Consumer Price Index (CPI), unemployment rate, and interest rates. They will understand how these indicators reflect the overall health of an economy.

For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. **Question No. 2 & 3 will be short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.

1. Introduction

1.1 What is macroeconomics

1.2 Macroeconomic issues in an economy.

2. National Income Accounting

2.1 Concept of circular flow; concepts of GDP and national income; national income and its related aggregates;

2.2 Measurement of national income; nominal and real income; limitations of GDP concept.

2.3 Concept of social accounting. Environmental concerns in national income; Concept of green accounting.

3. Theory of output and employment

3.1 Say's law of market and Classical theory of employment: critical analysis and Keynes' objections.

3.2 Principle of Effective Demand: Equality and Equilibrium of Aggregate Demand (AD) and Aggregate Supply (AS); Paradox of Thrift.

Unit 4. Fiscal and Monetary Policy

4.1 Fiscal Policy target and instruments

4.2 Monetary Policy objectives, target and instruments

Suggested Reading-

1. *Keynes and Post- Keynesian Economics-* R.D. Gupta , Kalyani Publishers, New Delhi
2. *Macro Economic Theory and Policy -* William H. Branson, A.I.T.B.S. Publishers, New Delhi

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3. *Macro Economic Analysis - Edward Shapiro, Galgotia Publications, New Delhi*
4. *Money & Banking : Theory with Indian Banking - T. N. Hajela, Ane Books India*
5. *Macro Economic Analysis - K.C. Rana & K.N. Verma, Vishal Publishing House, Jalandhar*
6. *N, Gregory Mankiw, macroeconomics, Wooth Publishers, 7th edition, 2010.*
7. *Olivier Blanchard, macroeconomics, Pearson Education, Inc., 5th edition, 2009.*
8. *Andrew B. Abel and Ben S. Bernanke, Macroeconomics, Pearson Education, Inc., 7th edition, 2011*

Semester II
ECOMJ-3
Indian Economy

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome: *The course on Indian Economy examines issues relating to the evolution and performance on all aspects of the Indian economy. It is based on the concepts of development economics. The course is fairly exhaustive and is useful for increasing the general awareness of students on issues affecting the Indian Economy.*

*For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.*

1. Unit 1 Framework of Indian Economy

- 1.1. Nature, structure and feature of Indian Economy
- 1.2. Natural Resources- Land, Water, Forest and Minerals resources of India.
- 1.3. Progress and trend of Indian Growth rate, GDP, PCI

2. Unit 2 Demography

- 2.1. India's Population: Size, and Growth Trends, Current Census
- 2.2. Demographic Transition; Population and Economic Development, Remedies for Rapid Growth of population
- 2.3. Problems Faced by Indian Economy-Poverty, Unemployment, Inequality and its solutions.

3. Unit 3 India & Agriculture

- 3.1. Role of Agriculture in Indian Economy, Trend in Agriculture Production and Productivity, Cropping Pattern in India.
- 3.2. Green revolution, Impact of Green Revolution.
- 3.3. New Agriculture Policy in India, Trend in Agricultural prices.
- 3.4. The Problem of Food Security, National Food Security Act, PDS system and Its Impact

4. Unit 4 Indian Industry & Foreign Trade

- 4.1. Trends in Industrial Production, Problems of Industrial Development in India.
- 4.2. The Role and Performance of Small and Cottage Industries in Indian Economy & Problems Faced by them.

- 4.3. *New Industrial Policy, Appraisal of New Industrial Policy, Privatization and Disinvestment Policy in India, Corporate Social Responsibility.*
- 4.4. *Composition of Foreign Trade, direction of Trade; India's Balance of Payment Situation since 1991, Challenges and outlook.*
- 4.5. *Foreign Trade Policy, Need for Foreign Capital, Foreign Investment Inflows.*

Suggested Readings-

- 1. *Bhagawati, J (2012): Reform and Economic Transformation in India.*
- 2. *Brahmananda, P.R. and Panchmukhi, V.R. (2001) : Development Experience in Indian Economy: Inter State Perspective, Bookwell , Delhi.*
- 3. *Goyal, Ashima (2015): A Concise Handbook of Indian Economy in the 21st century.*
- 4. *Dantwala, M.L. (1996): Dilemmas of Growth The Indian Experience, Oxford University Press, New Delhi.*
- 5. *Puri, V.K. and Mishra, S.K. (2018): Indian Economy, Himalaya Publishing House.(Hindi/English)*
- 6. *Dutt, R. and Mahajan, B.D. (2018): Indian Economy, S. Chand Publications, New Delhi. (Hindi/English)*
- 7. *Yojana(Hindi/English)- A Monthly Magazine.*
- 8. *Kurukshetra (Hindi/English)- A Monthly Journal of Rural Development.*
- 9. *Economic Survey, Govt. of India (Hindi/English)*

SEMESTER-III

ECOMJ-4

Introductory Statistics for Economics

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome: *Students will learn to identify, compile, interpret and analyse quantitative economic data using statistical methods like mean, median, mode and advanced regression analysis to assess economic relationships. Students will be provided with the theoretical concepts, tools and methods of statistics.*

*For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.*

1. Unit 1 : Introduction to Statistics

- 1.1. *Definition and Scope of Statistics*
- 1.2. *Collection of Data – Primary and Secondary Data ; Methods of collecting Primary and Secondary Data*
- 1.3. *Methods of Collecting Primary Data – Census and Sampling Methods; Methods of Sampling*
- 1.4. *: Classification and Tabulation of Data*
- 1.5. *Presentation of Data - Tabular ; Diagrammatic and Graphic*

2. Unit 2: Univariate Analysis

- 2.1. *Measures of Central Tendency –Arithmetic Mean,Median,Mode,Geometric Mean and Harmonic Mean*
- 2.2. *Measures of Dispersion – Range, Mean Deviation, Standard*
- 2.3. *Deviation, Coefficient of Variation and Quartile Deviation*
- 2.4. *Skewness and Kurtosis*

3. Unit 3: Bivariate Analysis

- 3.1. *Correlation – Definition; Types; Karl Pearson and Rank Correlation*
- 3.2. *Coefficient; Properties of Correlation*
- 3.3. *Regression – Lines of Regression; Least Squares Method and*
- 3.4. *Interpretation of Regression Coefficients*

4. Unit 4: Probability

- 4.1. *Basic Concepts – Random Experiments, Sample Space and Events*

4.2. *Definition of Probability – Classical, Statistical and Axiomatic*

4.3. *Rules of Probability – Addition and Multiplication Theorem; Bayes Theorem*

Suggested Readings:-

1. *Statistics For Economics* , N.M. Shah, Arya Publications
2. *Schaum's Outline of Theory and Problems of Statistics* , Murray R. Spiegel, Larry J. Stephens , Tata McGraw –Hill Edition
3. *Basic Statistics* , B.L. Agarwal, New Age International Publishers
4. *Quantitative Techniques (Hindi Edition)* , Dr. B.N. Gupta , SBPD Publication
5. *Business Statistics* , V.C. Sinha and Alok Gupta , SPBD Publication
6. *Fundamentals of Statistics* , S.C. Gupta , Himalaya Publishing House

Semester-III
ECOMJ-5
Public Finance

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome: Considering the increasing role of Government in economy, this course aims to generate theoretical and empirical understanding of students about different aspect of Governmental activities and their rationality. It covers fundamental concepts of public economics, public expenditure, public revenue, and public debt with special reference of Indian economy.

For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.

Unit 1: Nature and Scope of Public Finance

- 1.1: Meaning and Scope of Public Finance.
- 1.2: Distinction between Private and Public Finance; Public goods and Private goods; Merit goods, Problem of Free Riders
- 1.3: Principle of Maximum Social Advantage.
- 1.4: Market Failure; Role of the government.

Unit 2: Public Expenditure

- 2.1: Meaning, Classification and Principle of Public Expenditure.
- 2.2: Cannons of Public Expenditure; Effects of Public Expenditure.
- 2.3: Causes of Growth of Public Expenditure; Trends in Public Expenditure in India.

Unit 3: Taxation

- 3.1: Taxation: Meaning, Cannons of Taxation; Classification of Taxes.
- 3.2: Division of tax burden—The Benefit Approach; Ability-to-Pay Approach.
- 3.3: Impact and Incidence of Taxes, Taxable Capacity, Effects of Taxation
- 3.4: Characteristics of a good Tax System; Major trends in tax revenue of the Central and State Governments in India; Defects in Indian Tax System; Tax reforms; GST and VAT

Unit 4: Public Debt and Financial Administration

- 4.1: Public Debt: Meaning, Types, Sources and Need.
- 4.2: Effects of Public Debt; Burden of Public Debt.
- 4.3: Methods of Debt Redemption.
- 4.4: The Public Budget—Kinds of budget; Economic and Functional Classification of Budget; Preparation of Budget in India, Current Budget Analysis

Suggested Readings-

1. *S.K. Singh- Lok Vitt(Hindi), S Chand*
2. *S.K.Singh- Public Finance in Theory & Practice, S Chand*
3. *Musgrave R.A. & Musgrave P.B.- Public Finance in theory and Practice Mc Graw Hill*
4. *H L Bhatia Public Finance, Vikas Publishing House*
5. *H L Bhatia Lok Vitt, Vikas Publishing House*
6. *K P M Sundharam & K K Andley- Public Finance, S Chand*
7. *Dr B P Tyagi- Public Finance- Jai Prakash Nath & Co.*

Semester-IV
ECOMJ-6
Money Banking

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome: Upon completion of the paper Money & Banking students will understand the role of money and banks in the broader economy. Specially, students will have an understanding of the unique role of banks in the financial system. Students will also learn the relevance of the Reserve Bank and related central banking topics, including the causes, policy responses, and lessons associated with the current financial market.

For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contain three questions. **Question no. 1 will be very short answer type** of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.

Unit 1: Money

1.1: Money: Meaning and Function: Role of Money in Capitalistic, Socialistic and Mixed Economies.

1.2: Quantity Theory of Money: Cash Transactions Approach and Cash Balance Approach.

1.3: Keynesian Theory of Money and Prices.

Unit 2: Central Banking

2.1: Objectives, Functions and Limitations of Central Bank with reference of RBI.

2.2: Supply of Money: Concept, Components and Aggregates; Money Multiplier.

2.3: Quantitative and Qualitative Methods of Credit Control.

2.4: Objectives, Functions and Limitations of Money Market: Developed and Developing with special reference to India.

Unit 3: Commercial Banking

3.1: Meaning, Types, Functions and Principles of Commercial Banks.

3.2: Structure and Balance Sheet of a Commercial Bank; Assets and Liabilities.

3.3: Process of Credit Creation.

3.4: Commercial Banking in India: Evaluation of Banking Sector since Independence; Critical Appraisal of Commercial Banking after Nationalization; Recent Banking Reforms.

Unit 4: Financial Markets

4.1: Banking System; Bond Market; Foreign Exchange Market; Equity Market – Concepts.

4.2: Introduction to the Concept of Derivatives.

4.3: Futures; Options; Call/Put.

Suggested Readings-

- 1. The Economics of Money , Banking and Financial Markets- Frederic S Mishkin (Pearson)*
- 2. A Treatise on Money- J M Keynes*
- 3. Financial Markets, Banking and Monetary Policy- Thomas D Simpson*
- 4. Monetary Economics- Institutions, Theory and Policy- T.T. Sethi (S.Chand&Company)*
- 5. Monetary Economics- M.L.Seth Hn. Ed. (Lakshmi Narayan Agarwal, Agra)*
- 6. Financial Stability Report- RBI*
- 7. Monetary Policy Report- RBI*

Semester-IV
ECOMJ-7
Environmental Economics

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome: This course is meant to provide students an exposure to approaches in environmental economics. It also provides theoretical and applied understanding on diverse frameworks of national and global environmental problems, analytical tools, institutional and regulatory mechanisms etc.

For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.

1. Unit 1 : Introduction

- 1.1. Meaning and Scope of Environmental Economics.
- 1.2. Meaning and characteristics of Environmental goods.
- 1.3. Renewable and Non-renewable resources.
- 1.4. Common Property Resources.
- 1.5. Economic Development & Environment- Two Way Linkage

2. Unit 2: Environmental Externalities

- 2.1. Externalities and market failure; Negative & Positive Externalities.
- 2.2. Pareto Optimality and market failure in the presence of externalities.
- 2.3. Pigouvian taxes and subsidies.
- 2.4. Sustainable Development- concept and indicators.

3. Unit 3: Environmental Issues

- 3.1. Environmental Degradation- Land, Forest and Natural Resources degradation;
- 3.2. Causes, Effects and Solutions to Environmental Degradation.
- 3.3. Problems of Pollution- Air & Water Pollution.

4. Unit 4: Environmental Policies

- 4.1. National Environment Policy, Water & Forest Policy
- 4.2. WTO & The Environment.
- 4.3. Climate Change and International Agreements.
- 4.4. Green GDP; Carbon Foot Print; Environmental Green Accounting.

Suggested Readings-

1. *Ganesa murthy, V.S. Environmental Economics in India, New CenturyPublication*
2. *Bhattacharya, R.N. Environmental Economics-An Indian Perspective, Oxford University Press*
3. *T.Eugene, Environmental Economics, Vrinda Publication*
4. *Baumal, W.J. & W.E. Oates, The Theory of Environmental Policy, Cambridge University Press*
5. *Charles D. Kolstad, Intermediate Environmental Economics, Oxford University Press*
6. *N. Hanley, Jason F., & Shogren, Environmental Economics in theory and practice, Macmillan Education UK*
7. *Awashti N. M, Paryavaran Adhyayan (Hindi), Laxmi Narayana Agarwal, Agra*
8. *Muhtukrishnan Subhashini, Economics of Environment, Mediamatics*

Semester IV
ECOMJ- 8
Jharkhand Economy

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome: *This course will provide in-depth knowledge of the Economy of Jharkhand. The course will be helpful for students to know about their rural economy. Students will get to know the basic concepts related to rural development & will develop a proper understanding of the rural situation and the need for rural development in India.*

*For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.*

UNIT 1: Jharkhand Economy and it's Growth

- 1.1 *Evolution of Jharkhand economy; Structure and basic features of Jharkhand's Economy; Sectoral composition*
- 1.2 *Growth in SDP and per capita NSDP since 2000, Public Finance trends in Jharkhand*
- 1.3 *Composition, Production and Productivity in Agriculture in Jharkhand; Agricultural Growth in Jharkhand.*
- 1.4 *Industrial growth in Jharkhand; Main problems of Industrial development in Jharkhand, Industrial Policy in Jharkhand*

UNIT 2: Demographic features of Jharkhand

- 21 *Population growth, density, and Regional distribution*
- 22 *Literacy, Sex Ratio, Composition of work force, rural urban composition -their present status and change with Special Reference Census 2001 and 2011; Their Inter district variations*
- 23 *Tribal population in Jharkhand: main tribes; Demographic features of tribal population in the state;*

UNIT 3: Poverty and Unemployment in Jharkhand

- 3.1 *Status of poverty in Jharkhand; Major Poverty Alleviation Programs in Jharkhand and their outcomes, MGNREGA, PMGSY, NRLM,*
- 3.2 *Unemployment in Jharkhand- status and trend in Rural and Urban areas*
- 3.3 *Status of food security in Jharkhand; Food security schemes;*

Child and Women malnutrition in Jharkhand

- 3.4 *Status of Education and Health indicators in Rural and Urban areas of Jharkhand- literacy rates, Enrollment Ratios, Mortality rates, Maternal mortality rates, Child Mortality rates in Jharkhand etc*
- 3.5 *Rural- Urban Migration and Intra state migration in Jharkhand, Causes of Migration*

UNIT 4: Land, forest and environmental issues in Jharkhand

- 4.1 *Land reforms and agrarian Relations*
- 4.2 *Tribal and alienation,*
- 4.3 *Development induced displacement : impacts and Policy initiatives*
- 4.4 *Forest issues and implementation of FRA, 4.5 Environmental Degradation and policy in the state*

Readings:

- 1. *Jharkhand Samanya gyan ; Manish Ranjan*
- 2. *Micro Planning of Jharkhand; Kunal Vikram*
- 3. *Jharkhand -Land and People, Raj Kumar and S Ram, Arjun publication*
- 4. *Jharkhand- A State Study Guide, Neeraj Kumar Jha, Jeevons Publications District Gazetteer of Jharkhand , S C Bhat, Gyan Publishing House*
- 6. *Development of Bihar and Jharkhand, Sharat Kumar, Pravin Kumar Jha, Shipra Publications*

SEMESTER -V
ECOMJ-9
History of Economic Thought

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome: At the completion of this course, students will have gained an understanding of some historically important concepts of the political economy and economics. They will have acquired a broad understanding of the evolution of economic thinking in the long period of time.

For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.

1. Unit 1: Early Period

- 1.1. Mercantilism.
- 1.2. Physiocracy.

2. Unit 2: Development of Classical Economics

- 2.1. Adam Smith: Division of Labour, Theory of Value, Capital Accumulation, Distribution, Views on Trade, Economic Progress.
- 2.2. David Ricardo: Value, Theory of Rent, Distribution, Ideas on Economic Development and International Trade.
- 2.3. T.R. Malthus: Theory of Population, Theory of Gluts.
- 2.4. Karl Marx: Dynamics of Social Change, Theory of Value, Surplus Value, Profit and Crisis of Capitalism.

3. Unit 3: The Marginalist & Keynesian Revolution

- 3.1. Jevons and Walrus.
- 3.2. Neo-Classical Thought: Alfred Marshall
- 3.3. Historical Bckground of Keynesian Revolution and the Great Depression.
- 3.4. Economic Ideas of J. M. Keynes – Under Employment Equilibrium, Inflation, Role of Monetary Policy.

4. Unit 4: Indian Economic Thought

- 4.1. Economic ideas of Kautaliya
- 4.2. Economic Ideas of Mahatma Gandhi.
- 4.3. Economic Ideas of Amartya Sen
- 4.4. Economic ideas of Abhijit Banerjee

Suggested Readings-

1. *R. Black house, History of modern economic analysis (Basil black welloxford)*
2. *J.R. Hicks, Value and capital and growth (London press Oxford)*
3. *B.N.L. Ganguli, Indian economic thoughts*
4. *T.N. Hazella, Arthik Vicharon Ka Itihas, Ane Books Pvt. Ltd.*
5. *T.N. Hazella, History of Economics, Ane Books Pvt. Ltd.*
6. *Abhijit V.Banerjee & Esther Buflo, Poor Economics, Public Affairs*
7. *Amiya Kumar Dasgupta, A History of Indian Economic Thought, OxfordUni-
versity Press*
8. *M.L. Jhngan, History of Economic Thought, Vrinda Publication*

Semester V
ECOMJ 10
Advanced Macroeconomics

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome: *Advanced Macroeconomics paper provides theoretical foundation of some advanced issues and policies. The paper attempts to discuss the functional relationships between economic aggregates. It helps understand the overall structure of the economy in a theoretical perspective at higher level.*

*For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.*

1. Consumption and Saving Function

1.1 Consumption Function and Savings Function: APC and MPC; APS and MPS; Factors affecting Consumption Function; Psychological law of consumption

1.2 Investment Function: Autonomous and Induced Investment; MEC and Rate of Interest.

1.3 Investment Multiplier and its Effectiveness in Less Developed Countries.

1.4 Theory of Acceleration

Unit 2. Trade Cycles

2.1 Nature and characteristics of Trade Cycle

2.2 Hawtrey's Monetary Theory of Trade Cycle

2.3 Hayek's Over-Investment Theory of Trade Cycle.

2.4 Keynesian Views on Trade Cycle

Unit 3: Inflation

3.1: Definition, Types, Causes and Effects of Inflation.

3.2: Measures to Control Inflation.

3.3: Concept of Inflationary Gap.

Unit 4: Simple Income Determination Model in a closed economy

4.1 Keynesian and Classical Models

4.2 IS -LM income and interest determination.

Suggested Readings

1. *Keynes and Post- Keynesian Economics*- R.D. Gupta , Kalyani Publishers, New Delhi
2. *Macro Economic Theory and Policy* - William H. Branson, A.I.T.B.S. Publishers, New Delhi
3. *Macro Economic Analysis* - Edward Shapiro, Galgotia Publications, New Delhi
4. *Money & Banking : Theory with Indian Banking* - T. N. Hajela , Ane Books India
5. *Macro Economic Analysis* - K.C. Rana & K.N. Verma, Vishal Publishing House, Jalandhar
6. N, Gregory Mankiw, *macroeconomics*, Wooth Publishers, 7th edition, 2010.
7. Olivier Blanchard, *macroeconomics*, Pearson Education, Inc., 5th edition, 2009.
8. Andrew B. Abel and Ben S. Bernanke, *Macroeconomics*, Pearson Education, Inc., 7th edition, 2011

Semester V
ECOMJ 11
Economics of Market, Distribution & Welfare

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome: *The Outcome of the paper is to analyse the economic behaviour of individuals, firms and markets. It is mainly to equip the students in a rigorous and comprehensive understanding with the various aspects of consumer behaviour and Economic Welfare, Firms behaviour and the theory of imperfect markets and equilibrium in different conditions.*

*For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.*

- 1. Unit 1: Market Structure & Equilibrium under Perfect Competition and Monopoly**
 - 1.1. Forms of Market: Perfect and Imperfect Markets; their Salient Features.*
 - 1.2. Equilibrium of the Firm and Industry (Short Run and Long Run) under Perfect Competition; Derivation of Supply Curve of a firm in different cost conditions.*
 - 1.3. Monopoly: Meaning; Price and Output Determination (Short Run and Long Run); Price Discrimination*
- 2. Unit 2 : Equilibrium under Monopolistic Competition & Duopoly**
 - 2.1. Monopolistic Competition: Meaning & Characteristics; Price and Output Determination (Individual and Group Equilibrium); Importance of Selling Costs.*
 - 2.2 Duopoly: Meaning and Characteristics; Non-Collusive Cournot model*
 - 2.3 Oligopoly: Meaning & Characteristics, Kinked Demand Curve Theory.*
- 3. Unit 3: Input Markets & Factor Pricing**
 - 3.1. Input Demand-Derived Demand; Input Demand Curve of a Firm under Perfect and Imperfect Markets.*
 - 3.2. Marginal Productivity Theory of Distribution; Adding-Up Problem (Euler's Theorem).*
 - 3.3. Theories of Wage determination: Demand and Supply Theory; Collective Bargaining.*
 - 3.4. Rent: Ricardian and Modern Theory.*
 - 3.5. Interest: Classical and Keynesian Theories.*
 - 3.6. Profit: Innovation, Risk and Uncertainty Theories.*

4. Unit 4: Welfare Economics

- 4.1. *Concept of Welfare: Value Judgement; Problems in Measuring Welfare.*
- 4.2. *Classical Welfare Economics: Pigou – Marginal Social and Marginal Private Net Costs & Products; Externalities and Welfare Maximisation.*
- 4.3. *Pareto's Criterion of Measuring Welfare; Pareto Optimality*
- 4.4. *Compensation Criteria- Hicks, Kaldor and Scitovsky*

Suggested Readings:

- 1. *Karl E. Case and Ray C Fair, Principles of Economics, Pearson Education Inc.*
- 2. *N. Gregory Mankiw, Economics: Principles and Applications, Centage Learning India Private Limited.*
- 3. *Joseph E. Stieglitz and Carl E. Walsh, Economics, W.W. Norman & Company.*
- 4. *C. Snyder and W. Nicholson, Fundamentals of Micro Economics, Centage Learning, India.*
- 5. *B. Douglas Bernheim and Michael D. Winston, Micro Economics, Tata McGrawHill, India.*
- 6. *Alfred W. Stonier and Douglas C. Hague, A Textbook of Economic Theory, E L BS and Longman Gr. Ltd.*
- 7. *H.L. Ahuja, Advanced Economic Theory, S. Chand Publication, New Delhi*
- 8. *M.L.Seth, Micro Economics, Lakshmi Narayan Publication , Agra.*
- 9. *Karl E. Case and Ray C Fair, Principles of Economics, Pearson Education Inc.*
- 10. *N. Gregory Mankiw, Economics: Principles and Applications, Centage Learning India Private Limited.*
- 11. *Joseph E. Stieglitz and Carl E. Walsh, Economics, W.W. Norman & Company.*
- 12. *C. Snyder and W. Nicholson, Fundamentals of Micro Economics, Centage Learning, India.*
- 13. *B. Douglas Bernheim and Michael D. Winston, Micro Economics, Tata McGrawHill, India.*
- 14. *Alfred W. Stonier and Douglas C. Hague, A Textbook of Economic Theory, E L BS and Longman Gr. Ltd.*
- 15. *H.L. Ahuja, Advanced Economic Theory, S. Chand Publication, New Delhi*
- 16. *M.L.Seth, Micro Economics, Lakshmi Narayan Publication , Agra.*

Semester VI
ECOMJ 12
Principles of Agriculture Economics

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome: *To Understand the agricultural policies and its effect on sustainable agricultural development. Understand the globalization and its impact on agricultural development.*

*For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.*

1. UNIT 1: OVERVIEW OF AGRICULTURAL ECONOMICS

- 1.1. Nature and scope of agriculture: Traditional agriculture and its modernization*
- 1.2. Role of Agriculture in economic development; Interdependence of Agriculture and Industry*
- 1.3. Mellor's approach and Lewis Model; Linkages between agriculture and industry; Sustainable agricultural development.*

2. UNIT 2: PRINCIPLES OF AGRICULTURAL ECONOMICS

- 2.1. Farm Management; Features and Kinds of farm ownership*
- 2.2. Farm size and productivity*
- 2.3. Intensive and extensive cultivation*
- 2.4. Classification of agricultural products (cash and food crops, cereal and non-cereal crops)*
- 2.5. Agricultural finance*
- 2.6. Agriculture marketing*

3. UNIT 3: PRINCIPLES OF AGRICULTURAL PRODUCTION

- 3.1. Production and Production Functions*
- 3.2. Factors-Product Relationship*
- 3.3. Factor-Factor Relationship*
- 3.4. Laws of Returns*
- 3.5. Product-Product Relations*

4. UNIT 4: PRINCIPLES OF AGRICULTURAL COST AND PRICING

- Cost relationships and Profit maximization*
- Agricultural Price Determination*
- Supply behavior in Agriculture*
- Risk and uncertainty in Farming*

Suggested Readings-

1. *Andrew Barkley, Principles of Agricultural Economics , Routledge Taylor and Francies, London and New York.*
2. *Sadhu, A.N. and Singh Amarjjeet : Fundamental of Agricultural Economics,Himalaya Publishing House, New delhi.*
3. *Lekhi, R.K. & Singh, Joginder: Agricultural Economics-An Indian Perspective,Kalyani Publishers, New Delhi.*
4. *Raju V.T, & Vishnu Shankar Rao: Economics of Farm Production andManagement; Oxford & IBH Publishing Co. Pvt.Ltd.*
5. *Bilgramy, S.R.: An Introduction to Agricultural Economics*
6. *Sony, R.N.: Leading Issues in Agricultural Economics*
7. *Agrawal, N.L.: Hkkjrh; d`f`k dk vFkZra=] jktLFkku fganh xzaFk vdkneh] t;iqj*
8. *Gupta, P.K.: Agricultural Economics, Vrinda Publicashans Pvt. Ltd.*
9. *Tyagi, B.P. & Singh, H.P : New Agricultural Economics & Rural Development*

Semester VI
ECOMJ 13
Growth & Development

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome: The paper provides fundamental foundation of basic growth and development issues, approaches and models. The paper attempts to discuss the structure and change in variables. It helps understand the overall static and dynamic perspectives of the economy in a purely theoretical perspective.

For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.

1. Unit 1 : Concept of Growth and Development

- 1.1. Concept of Economic Growth and Economic Development, Measures of Economic Growth; Indicators of Economic Development, Factors affecting Growth and Development
- 1.2. Distinction between Economic Growth and Development, Main obstacles to Economic Development
- 1.3. Measures of Development : HDI, GDI, GEM, International Comparison with reference to India.

2. Unit 2 : Growth Models

- 2.1. The Harrod-Domar Model
- 2.2. Kaldor Model of Growth
- 2.3. Solow Model
- 2.4. The Mahalanobis Model
- 2.5. Feldman Model

3. Unit 3 : Leading Issues in Poverty, Inequality and Development

- 3.1. Meaning of Poverty; Absolute & Relative Poverty; Characteristics of Poverty.
- 3.2. Measurement of Poverty : Income based measures and Poverty Line, Non-monetary Measures (PQLI)
- 3.3. Poverty Traps in Developing Nations; Factors contributing to Vicious Circle of Poverty
- 3.4. Concept of Economic Inequality, Criteria of Economic Inequality;
- 3.5. Measurement of Inequality : The Lorenz Curve; GINI Coefficient

4. Unit 4 : Macro Economic Policy & Economic Development

- 4.1 Role of Monetary Policy in Promoting Economic Development.
- 4.2 Fiscal Policy and Economic Development
- 4.3 External Resources in Development: FDI, Aid versus Trade; Technology In flow; MNC and Economic Growth.

Suggested Readings-

1. Ray, Debraj- *Development Economics*, Oxford University Press
2. Meir, G.M.-*Leading Issues in Economic Development*
3. Basu- *Analytical Development Economics*
4. Amartya Sen- *Development as freedom*, Oxford University Press, 2000
5. Lekhi, R K, Joginder Singh- *The Economics of Development and Planning*, Kalyani publishers
6. Kuznets, S (1995)- *Economic Growth & Economic Inequality*, American Review, vol. 45
7. Arthik Samvridhi evam Vikas, Sahitya Bhawan Publications

Semester-VI
ECOMJ 14
Introductory Mathematics for Economics

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome: This paper is to develop mathematical approach in analysis of economic problems. It mainly focuses on those mathematical techniques which are directly useful in economic analysis. All the techniques are explained with examples of economics.

For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.

1. Unit 1: Basic Concepts

- 1.1. Set Theory: Concept; Types; Set operations; Use of Venn Diagrams
- 1.2. Functions: Concept; Types of Functions and its Graphs.
- 1.3. Equations: Concept; System of Equations; Economic Application of Equation

2. Unit 2: Limit and Differentiation

- 2.1. Limit: Concept; Rules
- 2.2. Differentiation: Nature; Rules; Techniques of Simple differentiation
- 2.3. Maxima and Minima: First Order and Second Order Conditions; Point of Inflection; Application of Maxima and Minima in Economics : Equilibrium of the Firm under Perfect Competition and Monopoly, Elasticity
- 2.4. Inter-Relationships among Total, Marginal and Average Cost and Revenues.

3. Unit 3: Integration

- 3.1 Integration of a Function: Concept and Rules of Integration; Definite and Indefinite Integrals.
- 3.2 Economic Application of Integrals: Obtaining Total Function from Marginal Function of Revenue, Cost and Product.

4. Unit 4: Matrix and Determinants

- 4.1. Various Types of Matrices.
- 4.2. Matrix Operations.
- 4.3. Determinants.
- 4.4. Inverse of a Matrix, Rank of Matrix
- 4.5. Cramer's Rule for Solution of Linear Non-homogenous Equation System

Suggested Readings-

1. *Mathematical Analysis for Economics*, R.G. D. Allen. , All India Publishers and Distributors
2. *Introduction to Mathematical Economics* , Edward T. Dowling , McGraw Hill
3. *Elementary Mathematics in Economics* , Mehta & Madnani, Lakshmi Narain Agarwal
4. *Mathematical Economics (Hindi Edition)* , Dr. J.P. Mishra, Sahitya Bhawan Publications
5. *Mathematical Methods for Economics – I* (IGNOU), SCP Panel of Experts, Shri Chakradhar Publication Pvt. Ltd.
6. *Srivastava, R, A Textbook on Advanced Mathematical Economics*, Disha International Publishing House

Semester-VI
ECOMJ 15
International Economics

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome: *The student will be acquainted with economic concepts and models of international trade. Student will become aware of international trade and their importance.*

*For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.*

Unit 1: Scope of International Economics

- 1.1 International Economics: Definition, Nature and Importance.
- 1.2 Gains from Trade: Their Measurement and Distribution.
- 1.3 Absolute Cost Advantage; Comparative Cost Advantage (Ricardian);Heckscher - Ohlin Theory of International Trade.

Unit 2: International Trade Policy & Free Trade vs. Protection.

- 2.1 Methods of Trade Restriction: Tariff- Types, Optimum Tariff,
- 2.2 Impact of Tariff in partial equilibrium analysis;
- 2.3 Quotas- Types, Their impact in partial equilibrium analysis

Unit 3: Balance of Payment & International Financial Institutions and India

- 3.1 Concepts and Components of Balance of Trade and Balance of Payment.
- 3.2 Equilibrium and Disequilibrium in Balance of Payment; Consequences of disequilibrium in Balance of Payment; Measures to Correct Deficit in the Balance of Payments.
- 3.3 Functions of IMF; World Bank; WTO with reference to India.
- 3.4 Need and Importance of Foreign Capital in Developing Economies.

Unit 4 Foreign Exchange

- 4.1 Exchange Rate Determination: Gold Standard (Mint Parity);
- 4.2 Purchasing Power Parity Theory
- 4.3 Fixed and Floating Exchange Rate
- 4.4 Devaluation and Appreciation of Currency & impact on International Trade.

Suggested Readings-

1. J.Bhagwati, International Trade, Cambridge Univ. Press
2. M.L. Verma, International Trade, Vikas Pub. Press
3. S.K. Singh, International Monetary System – Trends & Issues, IndusPublishing Company
4. H.G. Mannur, International Economics, Vikas publication
5. Paul R Krugman, International Economics- Theory and Practice, PearsonPublication
6. D. Salvatore, International Economics, Wiley India
7. Sachdeva, International Economics, Vikas Bharati Publication
8. Vaishya & Sachdeva Singh - Antarashtriya Arthshastra, Oxford & IBH Com.
9. M.L. Jhingan, Antarrashtriya Arthshashtra, Vikas Publication.

<i>Minor Papers</i>					
<i>Year</i>	<i>Semester</i>	<i>Paper Code</i>	<i>Title of the Paper</i>	<i>Theory</i>	<i>Credits</i>
<i>1st</i>	<i>I</i>	<i>ECO-MN-1</i>	<i>Introductory Economics</i>	<i>Theory</i>	<i>4 Credits</i>
<i>2nd</i>	<i>III</i>	<i>ECO-MN-2</i>	<i>Money and Banking</i>	<i>Theory</i>	<i>4 Credits</i>
<i>3rd</i>	<i>V</i>	<i>ECO-MN-3</i>	<i>Indian Economy</i>	<i>Theory</i>	<i>4 Credits</i>
<i>4th</i>	<i>VII</i>	<i>ECN-MN-4</i>	<i>Public Finance & International Trade</i>	<i>Theory</i>	<i>4 Credits</i>

Semester I

ECN-MN-1

Introductory Economics

Credit 4

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome :- The course exposes students to the basic principles of economic theory. It emphasizes how economists think, how consumers and firms make decisions and interact in output and input markets.

*For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer type of 1 mark each.** Question No. 2 & 3 will be **short answer type of 5 marks each.** Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.*

Unit 1: Introduction

- 1.1 Subject Matter and Methods of Economics
- 1.2 Nature and Scope of Economics
- 1.3 Central Economic Problems; Production Possibility Curve

Unit 2: Consumer Behavior

- 2.1: Cardinal Utility Analysis: Total and marginal Utility; Law of Diminishing Marginal Utility; Law of Equi-marginal Utility, Consumer's Equilibrium
- 2.2: Ordinal Utility Analysis: Indifference Curve and its Properties, Budget Constraints; Consumer's Equilibrium, Price Effect, Income and Substitution Effect
- 2.3: Individual & Market Demand and Supply; Determinants of Individual Demand and Supply
- 2.4: Law of Demand and Supply, Shifts in Demand and Supply

Unit 3: Theory of Production

- 3.1: Production Function: Short Run and Long Run.
- 3.2: Law of Variable Proportions;
- 3.3: Returns to Scale: Economies of Scale.
- 3.4: Isoquant Analysis; Iso-Cost Line; Producer's Equilibrium

Unit 4: Theory of Costs and Revenue

- 4.1: Concepts of Costs and their inter-relationship: Short Run and Long Run.
- 4.2: Concepts of Revenue and their inter-relationship; Break-Even Analysis.

Suggested Readings-

1. Karl E. Case and Ray C Fair, Principles of Economics, Pearson Education Inc.
2. N. Gregory Mankiw, Economics: Principles and Applications, Centage Learning India Private Limited.
3. B. Douglas Bernheim and Michael D. Winston, Micro Economics, Tata McGrawHill, India.
4. Alfred W. Stonier and Douglas C. Hague, A Textbook of Economic Theory, E L BS and Longman Gr. Ltd.
5. H.L. Ahuja, Advanced Economic Theory, S. Chand Publication, New Delhi
6. M.L.Seth, Micro Economics, Lakshmi Narayan Publication , Agra.
7. Micro economics-Dr. J.P. Mishra Hn. Ed.- Sahitya Bhavan Publication
8. The Economics of Money , Banking and Financial Markets- Frederic S Mishkin (Pearson)
9. A Treatise on Money- J M Keynes
10. Monetary Economics- Institutions, Theory and Policy- T.T. Sethi (S.Chand& Company)
11. Monetary Economics- M.L.Seth Hn. Ed. (Lakshmi Narayan Agarwal, Agra)
12. Financial Stability Report- RBI, Monetary Policy Report- RBI
13. Goyal, Ashima (2015): A Concise Handbook of Indian Economy in the 21st century.
14. Puri, V.K. and Mishra, S.K. (2018): Indian Economy, Himalaya Publishing House.(Hindi/English)
15. Dutt, R. and Mahajan, B.D. (2018): Indian Economy, S. Chand Publications, New Delhi. (Hindi/English)
16. Yojana(Hindi/English)- A Monthly Magazine.
17. Kurukshetra (Hindi/English)- A Monthly Journal of Rural Development.

Semester-III

ECN-MN-2

Money & Banking

Credit 4

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome:- This course is designed to analyze the impact of money on some of the economy's key variables such as interest rates, inflation, and the banking industry. Students will learn the role of central and commercial banks in the process of money creation and control.

For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.

Unit 1: Money

- 1.1 : Money: Meaning and Functions of Money, Kinds of Money
- 1.2 : Quantity Theory of Money : Cash Transactions Approach and Cash Balance Approach
- 1.3 : Supply of money- Definitions & Determinants, High Power Money

Unit 2: Inflation

- 2.1: Definition, Types, Causes and Effects of Inflation
- 2.2: Measures to Control Inflation
- 2.3: Concept of Inflationary Gap

Unit 3: Central Banking

- 3.1: Objectives and Functions of Central Bank with reference to RBI
- 3.2: Quantitative and Qualitative Methods of Credit Control

Unit 4: Commercial Banking

4.1: Meaning, Types and Functions of Commercial Banks

4.2: Process of Credit Creation

4.3: Critical Evaluation of Commercial Banking after Nationalization and Recent Banking Reforms

Suggested Readings

1) Money , Banking , International Trade and Public Finance , M.L.Seth, Lakshmi

Narain Agarwal

2) Mudra, Banking and Antrarashtriya Bayapar ,Dr. T.T. Sethi, Lakshmi Narain Agarwal

3) Aarthashastra , Dr.V.C.Sinha and Dr. Pushpa Sinha , SBPD Publications

Semester-V

ECN-MN-3

Indian Economy

Credit 4

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome:- *This course is designed to analyze the various sectors of Indian Economy and their performance. Students will learn about the different sectors of the Economy.*

*For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.*

Unit 1- Introduction

1.1: Basic characteristics of Indian Economy

1.2: Five-Year-Plans and economic development

1.3: Major Problems of Indian Economy- Poverty, Inequality, Unemployment and Population Explosion- their meaning and extent

1.4: Basic Demographic traits of Indian Economy

Unit 2- Agriculture

1.1: Nature of Indian Agriculture; Importance of Agriculture in Indian Economy;

Trends of Agriculture production in India

1.2: Land Reforms.

1.3: New Agricultural Strategy and Green Revolution.

1.4: Rural Credit.

Unit 3- Industry

2.1: Industrial Development during the Plan Periods

2.2: Industrial Policy of 1991.

2.3: Large Scale Industries: Sugar, Iron and Steel, and Cotton Textile Industries. Its present situation and its problems.

2.4: Small Scale Industries: Growth, Importance and Problems, Medium Small and Micro Enterprise (MSME)

Unit 4- External Sector

1.1: Role of Foreign Trade

1.2: Trends in Export and Import.

1.3: Composition and Direction of India's Foreign trade

SUGGESTED READINGS

1. Bhagawati, J (2012): Reform and Economic Transformation in India.
2. Brahmananda, P.R. and Panchmukhi, V.R. (2001) : Development Experience in Indian Economy: Inter State Perspective, Bookwell , Delhi.
3. Goyal, Ashima (2015): A Concise Handbook of Indian Economy in the 21st century.
4. Dantwala, M.L. (1996): Dilemmas of Growth The Indian Experience, Oxford University Press, New Delhi.
5. Puri, V.K. and Mishra, S.K. (2018): Indian Economy, Himalaya Publishing House.(Hindi/English)
6. Dutt, R. and Mahajan, B.D. (2018): Indian Economy, S. Chand Publications, New Delhi. (Hindi/English)
7. Yojana(Hindi/English)- A Monthly Magazine.
8. Kurukshetra (Hindi/English)- A Monthly Journal of Rural Development.
9. Economic Survey, Govt. of India (Hindi/English)

Semester VII

ECN-MN-4

Public Finance and International Trade

Credit 4

Marks: 25(MSE)+75(ESE;3Hrs)= 100

Course Outcome:- This course is designed to analyze the various sectors of Indian Economy and their performance. Students will learn about the different sectors of the Economy.

For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.

Unit 1: Nature and Scope of Public Finance

- 1.1: Meaning and Scope of Public Finance; Public Finance and Private Finance.
- 1.2: Principle of Maximum Social Advantage.

Unit 2: Public Revenue and Expenditure

- 2.1: Sources of Public Revenue.
- 2.2: Taxation: Meaning and Classification.
- 2.3: Impact and Incidence of Taxes; Effects of Taxation.
- 2.4: Meaning, Classification and Principle of Public Expenditure.
- 2.5: Effects of Public Expenditure.

Unit 3: International Trade

- 3.1: International Economics: Definition, Nature and Importance.

3.2: Inter-Regional and International Trade.

3.3: Gains from Trade: Their Measurement and Distribution.

3.4: Theory of Comparative Costs; Heckcher-Ohlin Theory.

3.5: Free Trade vs. Protection.

Unit 4: International Financial Institutions

4.1: I.M.F: Their Objectives and Functions.

4.2: World Bank: Their Objectives and Functions.

Suggested Readings

1. S.K. Singh- Lok Vitt(Hindi), S Chand
2. S.K.Singh- Public Finance in Theory & Practice, S Chand
3. Musgrave R.A. & Musgrave P.B.- Public Finance in theory and Practice McGraw Hill
4. H L Bhatia Public Finance, Vikas Publishing House
5. H L Bhatia Lok Vitt, Vikas Publishing House
- 6 . K P M Sundharam & K K Andley- Public Finance, S Chand

Multidisciplinary Course			
ECO-MDC	Introductory Economics	Theory	3 Credits

Multidisciplinary Course
ECO-MDC
Introductory Economics

Credits 03, Lectures 45, Marks:75(ESE)

Pass Marks: 30

Course Outcome: This course aims to introduce the students to the basic concepts of Microeconomics & Macroeconomics. This course discusses the preliminary concepts associated Money, Banking, Inflation etc. Students will understand how optimum real-life decisions are taken by individuals & firms under situations of scarcity in the economy.

*For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.*

Unit 1: Introduction

- 1.1 Subject Matter and Methods of Economics
- 1.2 Nature and Scope of Economics
- 1.3 Central Economic Problems; Production Possibility Curve

Unit 2: Consumer Behaviour

- 2.1: Cardinal Utility Analysis: Law of Diminishing Marginal Utility; Law of Equi-marginal Utility, Consumer's Equilibrium

- 2.2: Ordinal Utility Analysis: Indifference Curve and its Properties, Consumer's Equilibrium
- 2.3: Individual & Market Demand and Supply; Determinants of Individual Demand and Supply
- 2.4: Law of Demand and Supply, Shifts in Demand and Supply

Unit 3: Money & Inflation

- 3.1 Money: Meaning and Functions of Money, Role of Money in Capitalistic, Socialistic & Mixed Economics
- 3.2 Quantity Theory of Money: Cash Transactions Approach and Cash Balance Approach
- 3.3 Definition, Types, Causes, and Effects of Inflation
- 3.4 Measures to Control Inflation

Unit 4 Banking

- 4.1: Objectives and Functions of Central Bank
- 4.2: Quantitative and Qualitative Methods of Credit Control
- 4.3: Meaning, Types, and Functions of Commercial Banks

Suggested Readings-

1. Karl E. Case and Ray C Fair, Principles of Economics, Pearson Education Inc.
2. N. Gregory Mankiw, Economics: Principles and Applications, Centage LearningIndia Private Limited.
3. B. Douglas Bernheim and Micgael D. Winston, Micro Economics, Tata McGrawHill, India.
4. Alfred W. Stonier and Douglas C. Hague, A Textbook of Economic Theory ,E L BS and Longman Gr. Ltd.
5. H.L. Ahuja, Advanced Economic Theory, S. Chand Publication, New Delhi
6. M.L.Seth, Micro Economics, Lakshmi Narayan Publication , Agra.
7. Micro economics-Dr. J.P. Mishra Hn. Ed.- Sahitya Bhavan Publication
8. The Economics of Money , Banking and Financial Markets- Frederic S Mishkin (Pearson)
9. A Treatise on Money- J M Keynes
10. Monetary Economics- Institutions, Theory and Policy- T.T. Sethi (S.Chand &



MINOR FROM VOCATIONALFYUGP



SESSION 2023-27

UNIVERSITY DEPARTMENT OF ECONOMIC

COURSE OUTLINE

CODE	SEM	PAPER	CREDITS
ECO-MN-2A	II	Financial Literacy and BankingSector	4
ECO-MN-2B	IV	Tourism and TravelManagement	4
ECO-MN-2C	VI	Entrepreneurship Development	4
ECO-MN-2D	VIII	Data Analysis	4

SEM-II

ECO-MN-2A Financial Literacy and Banking Sector

Marks: 25(Viva voce) +75(ESE:3Hrs) =100

*For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.*

Objective of the course: The main objective of this course is to inform students about financial decisions, establish a secure and prosperous future, status of Indian Financial Market and Banking Sector.

Module- I

Meaning of Financial Literacy, Pillers of Financial Literacy, Scope of Financial Literacy, Advantages of Financial Literacy.

Module- II

Meaning of Mutual Funds, Venture Capital Funds, Stock Exchange in India, Organization of SEBI and Its role.

Module- III

Meaning of Financial Market, Salient Features of Indian Financial Market, Composition of Indian Financial Market, Limitations of Indian Financial Market, How to improve Indian Financial Market.

Module- IV

Definition of Central Bank, Functions of Central Bank, Role of Central Bank in Credit Control, Functions of Commercial Banks, NPAs of Indian Commercial banks, Banking Sector Reforms in India.

Suggested Readings:

- A Critically compassionate approach to Financial Literacy – Thomas A. Lucy, Mary Frances Agnello and James Duke Laney.
- Focus on Personal Finance- Jack R. Kapoor (2021)
- “Indian Banking Trends, Challenges and Future” - D.K. Srivastava
- Emerging scenario of Indian Banking Sector-Nayak and Niranjana.
- Money and Banking- M.L. Seth
- Indian Economy- Mishra & Puri, Himalayan Publication.

SEM IV

ECO-MN-2B Tourism and Travel Management

Marks: 25(Viva voce)+75(ESE:3Hrs)=100

*For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.*

Objectives of the Course: *To understand the principles of tourism, its spatial, social, cultural employment, and economic dimensions.*

Unit -I

Definition of Travel Tourism, Meaning of Domestic Tourism, International Tourism, Inbound Tourism, Outbound Tourism.

Unit-II

Significance of Tourism, Typology of Tourism, Classification of Traveler, Push and Pullfactor.

Unit -III

Difference between Domestic and International Tourism, Difference between Tourist and Travelers.

Unit -IV

Tourism as an industry, Recent trends in Jharkhand Tourism, Future prospects of Tourism in Jharkhand, Factors influencing for the development of Domestic Tourism in India.

Suggested Readings:

- A.K. Bhatia: Tourism Development- Principles and Practices.
- K.K. Karma and M.Chand- Basics of Tourism .
- RK Sinha: Growth and Development of Modern Tourism.
- PN Sethi- Successful Tourism Management
- Jagmohan Negi: Tourism and Travel Concepts and principles.
- A.K. Bhatia- International Tourism Management

SEM-VI

ECO-MN-2C

Entrepreneurship Development

Marks: 25(Viva voce) +75(ESE:3Hrs) =100

*For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.*

Moto

The objective of this Course is to motivate students to choose the entrepreneurship as a Career and to prepare the person to exploit the market opportunities for their ownbusiness.

Unit – 1 Introduction

Meaning and importance of Entrepreneurship. Factors influencing entrepreneurship, Types of entrepreneur, Objectives of entrepreneurship development.

Unit – 2 Entrepreneurship Development Skill

Meaning of entrepreneurship skill, Types of entrepreneurship skill, How to improve entrepreneurial skill, Entrepreneurial imagination and Creativity.

Unit – 3 Organization Assistance

Assistance to an entrepreneur, financial assistance by different agencies, Financialassistance to MSME and Small Scale Units.

Unit – 4 Financial Operations

Concept of Working Capital and Term Capital, Start-up, Understanding FinancialStatement, Understanding Balance sheet.

Suggested Readings

1. Entrepreneurship Development – S. S. Khamka
2. Entrepreneurship and Small Business Management – S.P. Singh
3. Small Business Management and Entrepreneurship – Renu Arora
4. उधमिता मिकास- एनसीईआरटी
5. *Entrepreneurship Development and Business Ethics – Desai V – Himalaya Publishing House, New Delhi.*

SEM-VIII

ECO-MN-2D

DATA ANALYSIS

Marks: 25(Viva voce) + 75(ESE:3Hrs)=100

For End Semester Examination (ESE 75 marks, 3Hrs Exam): There will be two group of questions. **Group A is compulsory** which will contains three questions. **Question no. 1 will be very short answer** type of 1 mark each. Question No. 2 & 3 will be **short answer type** of 5 marks each. Group B will contain descriptive type six question of fifteen marks each, out of which any four are to answer.

COURSE OUTCOME

The knowledge of tools and techniques of data collection, presentation and analysis byusing the spreadsheet package is high in demand in almost every sector of economy.

Data, therefore, need to be analysed and converted to simpler presentable forms & analysed to derive inference from it. At the end of the course, the student will be able to

- Use the tools and techniques of Spreadsheet (Excel).
- Collect, Present Data using the spreadsheet (Excel).
- Analyse the Data using statistical tools.

UNIT I INTRODUCTION TO STATISTICAL CONCEPT

Introduction to Data & its types, Concept & Types of Data Analysis, Variable and ItsTypes, Sources of data collection; Census, Survey, Observation, Experiment.

Quantitative and Qualitative Research Methods; Questionnaire, Schedule, Interview, Participant Observation, Non-Participant, Observation, Focused Interview, Case Study,Group Discussion, Key Informants.

UNIT 2 STATISTICAL SOFTWARE & UNIVARIATE ANALYSIS

Introduction & Need of Statistical Software, Excel-Basics Data Entry, Use of Formulaand Functions, Presentation of Data -Tabular, Charts & Graphical

Measures of Central Tendency- Arithmetic Mean, Median, Mode, Geometric Mean andHarmonic Mean

Measures of Dispersion- Range, Mean Deviation, Standard Deviation, Coefficient of Variation and Quartile Deviation.

Skewness and Kurtosis

UNIT 3 BIVARIATE ANALYSIS

Correlation- Karl Pearson and Rank Correlation, Regression- Lines of Regression; Least Square Method, Time series Forecasting.

UNIT 4 HYPOTHESIS CONCEPT & TESTING

Meaning of Hypothesis, Procedure for Hypothesis Testing, Errors in Hypothesis Testing; one-tailed and two-tail test.

Standard Error. T-test, Z-Test, F-Test (ANOVA), Chi-Square Test

REFERENCE

1. Blaikie, N. (2003). Analyzing quantitative data: From description to explanation. Sage.
2. P.H. Karmel and M. Polasek (1978), Applied Statistics for Economists, 4th edition, Pitman.
3. M.R. Spiegel (2003), Theory and Problems of Probability and Statistics (Schaum Series) Cramer, D. (2003). Advanced quantitative data analysis. McGraw-Hill International
4. Sharma, S. (1996). Applied Multivariate Techniques, University of South California, John Wiley &
5. Tabachnick B., Fidell, L. (2007). Using Multivariate Statistics, 5th edition Pearson Education, Inc.