

**JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(AUTONOMOUS)
B.N. ROAD, MYSURU-570025**



DEPARTMENT OF ECONOMICS

**Revised Syllabus for Undergraduate (UG)
CBCS Scheme - 2017-18**

Scheme of Study

Sem	Paper Code	Course	Teaching Hours / week	L T P	Credit	I.A Marks	Theory Exam	Total Marks
I	Core - 1 DLA21011	Principles of Micro Economics-I	5+1	5-1-0	6	30	70	100
II	Core - II DLB21011	Principles of Micro Economics-II	5+1	5-1-0	6	30	70	100
III	Core - III DLC21011	Principles of Macro Economics-I	5+1	5-1-0	6	30	70	100
IV	Core - IV DLD21011	Principles of Macro Economics-II	5+1	5-1-0	6	30	70	100
Discipline Specific Elective (DSE) – Any one								
V	DSE – 1A DLE21011	Economics of Development	5+1	5-1-0	6	30	70	100
V	DSE – 1B DLE21211	Money and Banking	5+1	5-1-0	6	30	70	100
V	DSE – 1C DLE21411	Environmental Economics	5+1	5-1-0	6	30	70	100
Skill Enhancement Course (SEC) -1								
V	SEC - 1 DLE21611	Financial Economics	4	3-1-0	4	30	70	100
Discipline Specific Elective (DSE) – Any one								
VI	DSE - 1A DLF21011	Indian Economy	5+1	5-1-0	6	30	70	100
VI	DSE - 1B DLF21211	Economic History of India-1857-1947	5+1	5-1-0	6	30	70	100
VI	DSE – 1C DLF21411	Public Finance	5+1	5-1-0	6	30	70	100
Skill Enhancement Course (SEC)-2								
VI	SEC – 2 DLF21811	Data Analysis	4	3-1-0	4	30	70	100

Generic Elective

Sem	Paper Code	Course	Teaching Hours / week	L T P	Credit	I.A Marks	Theory Exam	Total Marks	Remarks
V	GE-1 DLE21811	Indian Economy	5+1	5-1-0	6	30	70	100	To benefit those students interested to study <i>Indian Economy</i> irrespective of his / her programme
VI	GE-2 DLF21811	Indian Economy	5+1	5-1-0	6	30	70	100	

Scheme of Assessment

Year	SEM	COURSE CODE	TITLE OF THE PAPER	CONTINUOUS ASSESSMENT				MAX.MARKS			DURATI ON OF EXAM
				C1		C2		C3	TH	IA	TH
				TH	AS	TH	SE				
I	I	DLA21011	Principles of Micro Economics-I	10	5	10	5	70	70	30	3h
	II	DLB21011	Principles of Micro Economics-II	10	5	10	5	70	70	30	3h
II	III	DLC21011	Principles of Macro Economics-I	10	5	10	5	70	70	30	3h
	IV	DLD21011	Principles of Macro Economics-II	10	5	10	5	70	70	30	3h
III	V	DSE - 1A DLF21011	Economics of Development	10	5	10	5	70	70	30	3h
		DSE - 1B DLF21211	Money and Banking	10	5	10	5	70	70	30	3h
		DSE – 1C DLF21411	Environmental Economics	10	5	10	5	70	70	30	3h
		SEC – 1 DLE21611	Financial Economics	10	5	10	5	70	70	30	3h
	VI	GE-1 DLE21811	Indian Economy	10	5	10	5	70	70	30	3h
		DSE - 1A DLF21011	Indian Economy	10	5	10	5	70	70	30	3h
		DSE - 1B DLF21211	Economic History of India-1857-1947	10	5	10	5	70	70	30	3h
		DSE – 1C DLF21411	Public Finance	10	5	10	5	70	70	30	3h
		SEC – 1 DLE21611	Data Analysis	10	5	10	5	70	70	30	3h
		GE-1 DLE21811	Indian Economy	10	5	10	5	70	70	30	3h

Core and Discipline Specific Elective (DSE)

Semester I	Semester II
Core Economics I: Principles of Microeconomics-I	Core Economics II: Principles of Microeconomics-II
Semester III	Semester IV
Core Economics III: Principles of Macroeconomics-I	Core Economics IV: Principles of Macroeconomics-II
Semester V	Semester VI
Discipline Specific Elective I One of the following: i. DSE-1A : Economics of Development ii. DSE-1B : Money and Banking iii. DSE-1C :Environmental Economics	Discipline Specific Elective II One of the following: iv. DSE-1A: Indian Economy v. DSE -1B: Public Finance vi. DSE- 1C:Economic History of India 1857-1947
Skill Enhancement Course(SEC)1: Financial Economics	Skill Enhancement Course(SEC)2: Data Analysis

Generic Electives

Semester	Course Title	Remarks
V	GE-1 Indian Economy	Benefits those students interested to study <i>Indian Economy</i> irrespective of his / her programme
VI	GE-2 Indian Economy	

TEMPLATE

Sem	Core			DSE			SEC	
	No. of Courses	Credits	Total Hours	No. of Courses	Credits	Total Hours	No. of Courses	Credits
I	1	6	75+15	-	-	-	-	-
II	1	6	75+15	-	-	-	-	-
III	1	6	75+15	-	-	-	-	-
IV	1	6	75+15	-	-	-	-	-
V	-	-	-	1	6	75+15	1	4
VI	-	-	-	1	6	75+15	1	4

Programme Outcome

After completing the graduation in BA Economics, Geography the students are able to:

- PO1. Explain, graph, and analyze key economics models
- PO2. Understand current events and evaluate specific policy proposals
- PO3. To address problem that do not have clear economic solutions
- PO4. Develop critical and quantitative thinking skills
- PO5. Communicate effectively in written, oral and graphical form about specific issues
- PO6. Apply economic analysis to everyday problems in real world situations
- PO7. Understand and appreciate relationship between man and Environment
- PO8. Read, interpret, and generate maps and other geographic representations
- PO9. To extract, analyze, and present information from a spatial perspective
- PO10. Understand physical-geographic processes, global distribution of landforms and ecosystems
- PO11. The role of physical environment on human population
- PO12. Develop the ethical aptitudes and dispositions necessary to acquire and hold leadership positions in industry, government, and professional organizations

Programme Specific Outcomes

On Completion of BA Economics, Geography students will:

- PSO1. Understand theoretical and practical aspects of Economics and Geography
- PSO2. Evaluate Economic behaviour inconsonance with Geographical factors
- PSO3. Suggest the policy makers about desirable changes to be made in Micro and Macro Economic issues based on geographical factors
- PSO4. Gain ability to understand the economic problems in Geographical indicators
- PSO5. Able to offer palatable solutions for economic and geographical challenges
- PSO6. Attain Proficiency to analyze the economic decision of Government and non-Govt. entities that correlate with Geographical factors
- PSO7. Gain requisite knowledge to evaluate land use pattern and demographical profile
- PSO8. Apply GIS for understanding Market situation, Transport problem change in Weather Condition, Cropping Pattern, and Natural Calamities and so on

Economics I: Principles of Microeconomics-I

Course outcome

On completion of the Course, students will:

- CO1. Understand in details with examples Concepts of Micro and Macro Economics.
- CO2. Deliberate in depth Law of Demand.
- CO3. Understand in depth laws of utility.
- CO4. Learn in details with examples meaning and properties of indifference curve.
- CO5. Deliberate in depth cost and revenue concepts.
- CO6. Understand the details of meaning and types of markets.
- CO7. Identify in details with examples perfect competitive market.
- CO8. Specify the details of concepts of Marginal cost and Marginal revenue.

Course Description:

This course exposes the student to the basic principles and application of Microeconomic Theory.

I. Introduction:

12

Economics, Meaning, Scope and Need for the study. Concepts of Micro and Macro Economics-Scope-Importance and Limitations of Micro Economics. Scarcity and choice-opportunity cost-production possibility curve.

II. Demand and Supply:

24

- a) Demand-Meaning, Law of Demand-Individual and Market Demand-Exceptions to Law of Demand-Determinants of Demand-Shifts of Demand versus movement along with a Demand Curve.
- b) Elasticity-Price elasticity of Demand-Types of price Elasticity of Demand-Calculating elasticity-Determinants of price elasticity –Concepts of Income elasticity and Cross elasticity.
- c) Supply-Meaning, Law of Supply- Determinants of Supply-equilibrium of Demand and Supply.
- d) Application of Demand and Supply-Price rationing-Price Floors-Consumer surplus and Producer surplus.

III. Consumer Theory:

14

- a) Marshalian Utility Theory – Concepts of Utility-Law of Diminishing Marginal Utility-Diamond Water Paradox-Law of Equi-Marginal Utility.
- b) Indifference Curve Analysis-Meaning and properties of Indifference Curve. Budget

IV. Production Analysis:

15

- a) Production-Meaning- Production Function-TP-AP-MP-Law of Variable Proportions-Economies and Diseconomies of Scale.
- b) Cost and Revenue- Concepts of Cost-short run and Long run cost curves. Concepts of Revenue- short run and Long run revenue curves.
- c) Equilibrium of firm-Marginal Cost and Marginal Revenue.

V. Market Structure and Perfect Competition:

10

- a) Market –Meaning and classification.
- b) Perfect Competition-Features-Price and output determination in short run and Long run under perfect Competition.

Reference:

Case, Karl E and Ray C. Fair- Principles of Economics, Pearson Education, Inc..8th edition, 2007.

Samuelson P.A-Economics(18th Edition, McGraw hill)

Mukarjee Sampath- Modern Economic Theory(New Age International)

H L Ahuja-Modern Economic Theory(S.Chand & Company)

Mithani. D.M -Modern Economic Analysis(Himalayan Publication publication)

McConnel Compbell & Stanley Brue-Micro Economics(16th Edition, McGraw hill)

Zen-Micro Economic Analysis(McGraw Hill)

KPM Sundaram and M.C.Vaish -Principles of Economics(Himalayan Publication publication)

S.Sankaran-Principles of Economics(Himalayan Publication publication)

M.L.Jhingan-Micro Economic Theory

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II – Semester

Economics II: -Principles of Microeconomics-II

Course outcome

On completion of the Course, students will:

- CO1. Learn in depth types of Imperfect Competition.
- CO2. Deliberate the characteristics of Price Discrimination.
- CO3. Identify the classification and characteristics of Kinked Demand Curve.
- CO4. Identify in details with examples Merits and Public Goods.
- CO5. Write down the classification and characteristics of General Equilibrium of Exchange and Production.
- CO6. Understand in details with examples General Equilibrium of Exchange and Production.
- CO7. Write down in details with examples Marginal Productivity Theory.

Course Description:

This is a sequel to Principles of Microeconomics-I that highlights market fluctuation.

- I. Imperfect Competition and Monopoly: 15**
Concept and Types of Imperfect Competition-Monopoly-Monopolistic-Oligopoly-Duopoly. Monopoly-meaning-Types and features of Monopoly-price and output determination in short run and Long run. Price Discrimination-Meaning-Types-Remedies for Monopoly.
- II. Monopolistic and Oligopoly Competition: 16**
 - a) Monopolistic competition- Meaning-Features-price and output determination in short run and Long run- Product Differentiation.
 - b) Oligopoly-Meaning-Features-Concepts of Kinked Demand Curve-Price Leadership and Cartels.
- III. General Equilibrium and Externalities: 17**
 - a) General Equilibrium of Exchange and Consumption-General Equilibrium of Exchange and Production.
 - b) Externalities-Meaning-Types-Marginal Cost Pricing-Public Goods-Merit Goods-Government Failure-Market Failure.
- IV Income Distribution and Factor Pricing: 13**
Inputs-Demand for inputs-Marginal Productive theory-Modern theory-Theory of Distribution and Distribution of Income.

V. **International Trade:**

14

- a) Trade-Meaning-Internal and International Trade-Theories of International Trade-Absolute Advantage and Comparative Cost Advantage.
- b) Free Trade and Protectionist Policy of Trade.
- c) Concepts of Terms of Trade-Trade Barriers-Tariffs and Quotas.

Reference:

Case, Karl E and Ray C. Fair Principles of Economics, Pearson Education, Inc.8th edition, 2007.

Samuelson P.A-Economics(18th Edition McGraw hill)

Mukarjee Sampath- Modern Economic Theory(New Age International)

H L Ahuja-Modern Economic Theory(S. Chand & Company)

Mithani. D.M -Modern Economic Analysis(Himalayan publication)

McConnel Compbell & Stanley Brue-Micro Economics(16th Edition, McGraw hill)

K. K. Dwett -Modern Economic Theory(S.Chand & Company)

S.Sankaran-Principles of Economics(Himalayan publication)

M.L.Jhingan-Micro Economic Theory

M.L.Seth-Microeconomics(Lakshminarayan Agarwal)

G.Mankiw-Microeconomics(New Age International)

Mithani.D.M - International Economics(Himalaya Publishing House, Mumbai)

Jhingan.M.L - International Economics(Virnda Publication)

Sharma.A.K - International Economics(Anmol Publication)

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III – Semester Economics III - Principles of Macroeconomics-I

Course outcome

On completion of the Course, students will:

- CO1. Identify in details with examples Key variables of Macro Economics.
- CO2. Understand in details with examples Concepts of National Income.
- CO3. Identify in depth Marginal Efficiency of Capital.
- CO4. Specify the details of Concept of Multiplier.
- CO5. Identify the characteristics of Keynesian Macro Economics.
- CO6. Deliberate in depth Liquidity Theory of money.
- CO7. Identify the characteristics of Demand for Money.
- CO8. Identify in details with application, if applicable, Concepts of Micro and Macro Economics

Course Description:

This course introduces students to the basic concepts in Macroeconomics, definition, measurement and variables like GDP, consumption, savings, investment and Balance of Payments.

- I. Introduction: 15**
Macro Economics-Meaning-Definition-Scope-Importance and Limitation.
Key Variables of Macro Economics-Income-Output-Expenditure. Concepts of Stock and Flow. Equilibrium-General and partial Equilibrium.
- II. National Income Accounting: 16**
 - a) National Income- Definition- Concepts of National Income-GNP-NNP-GDP-NDP-Per-capita Income-Disposable Income-NI at Factor Cost-NI at Market Cost-nominal and Real Income. Green GDP
 - b) Measurement of National Income: Methods of measuring National Income-Importance-Difficulties.
- III. Determination of Income and Employment: 17**
Keynesian Macro-Economics: Concept of Effective Demand-Consumption Function-APC and MPC-APS and MPS.
Investment Function-Induced Investment and Autonomous Investment-Rate of interest and MEC(Marginal Efficiency of Capital)
Determination of Equilibrium-ASF and ADF –Concept of Multiplier.

IV. Macro Economic Policies of the Government:

13

Monetary Policy-Meaning-Objectives and Instruments-Quantitative and Qualitative methods.

Fiscal Policy- Meaning-Objectives and Instruments-Tax and expenditure.

V. Money In a Modern Economy:

14

Money –Meaning-Definition and Functions-Importance-Demand for Money and Supply for Money. Quantitative Theory Money [Fisher's Equation] and Liquidity Theory of Money.

Reference:

Case, Karl E and Ray C Fair, Principles of Economics, Pearson Education, Inc.8th edition, 2007.

Sikdar, Shoumyen, Principles of Macroeconomics, 2nd edition, Oxford University Press, India

Samuelson P.A-Economics(18th Edition, McGraw hill)

Mukarjee Sampath- Modern Economic Theory(New Age International)

H L. Ahuja-Modern Economic Theory(S. Chand & Company)

Mithani. D.M -Modern Economic Analysis(Himalayan Publication)

McConnel Compbell & Stanley Brue-Micro Economics(16th Edition, McGraw hill)

K. K. Dwett-Modern Economic Theory(S. Chand & Company)

S. Sankaran-Principles of Economics(Himalayan Publication)

M. L. Jhingan-Macro Economic Theory

M. L. Seth-Macroeconomics(Lakshminarayan Agarwal)

G. Mankiw-Macroeconomics(New Age International)

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IV – Semester Economics IV: -Principles of Macroeconomics-II

Course outcome

On completion of the Course, students will:

- CO1. Specify in details with examples IS-LM Analysis.
- CO2. Learn in depth Supply side Economics.
- CO3. Identify the details of Rational Expectation.
- CO4. Identify in details with examples Concept of Inflation.
- CO5. Learn the classification and characteristics of Balance of Trade.
- CO6. Specify the classification and characteristics of Disequilibrium in Balance of Payment.
- CO7. Understand the details of Devaluation and its Effects.
- CO8. Identify the classification and characteristics of Exchange rate.

Course Description:

This is a sequel to Principles of Macroeconomics that analyses various theories of determination of National Income in detail. It also introduces students to concept of Inflation, its relationship with unemployment and some basic concepts in an open economy.

- I. IS-LM Analysis: 17**
Goods Market and Money and their Equilibrium-Derivation of IS curve-shift in the IS curve. Money Market Equilibrium-LM curve- shift in the LM curve. Intersection of IS-LM curve-Simultaneous Equilibrium of Goods and Money Market-Critique of IS-LM Model.
- II. Modern Macro Economics: 18**
 - a) Supply Side Economics-Basic propositions of supply side Economics-Taxation-Labour supply-Incentives to save and investment –The Tax wedge-Tax Revenue and Laffer’s curve.
 - b) Rational Expectations Analysis-Introduction to New Keynesian Theory-ASF and ADF. The New Classical Rational Expectations-Model –Policy implication[Lucas Model]
- III Inflation and Unemployment: 13**
Concept of Inflation-Meaning-Definitions-Types-Determinants-Causes-Effects-Relationship between Inflation and Unemployment-Philip’s Curve.
- IV. Balance of Payments: 15**
Balance of Payment-Balance of Trade and Balance of Payments-Composition of BOP-Current Account-Capital account-Official Holdings etc.
Disequilibrium in BOP- Types-Causes-measures to Correct Disequilibrium in Balance of

Payments.

V. Foreign Exchange Rate:

12

Exchange Rate-Meaning and Types-Flexible-Fixed-Managed. Determination of Exchange Rate-Devaluation and its Effects.

Reference:

Case, Karl E and Ray C. Fair, Principles of Economics, Pearson Education, Inc..8th edition, 2007.

Sikdar, Shoumyen, Principles of Macroeconomics, 2nd edition, Oxford University Press, India.

Samuelson P.A-Economics(18th Edition, McGraw hill)

Mukarjee Sampath- Modern Economic Theory(New Age International)

H L. Ahuja-Modern Economic Theory(S. Chand & Company)

Mithani. D. M -Modern Economic Analysis(Himalayan Publication)

Mc Connel Compbell & Stanley Brue-Micro Economics(16th Edition, McGraw hill)

K. K. Dwett-Modern Economic Theory(S. Chand & Company)

S. Sankaran-Principles of Economics(Himalayan Publication)

M. L. Jhingan -Macro Economic Theory

M. L. Seth-Macroeconomics(Lakshminarayan Agarwal)

G. Mankiw-Macroeconomics((New Age International)

DLE21011

V Semester

Discipline Specific Elective (DSE)-1A: Economics of Development

Course outcome

On completion of the Course, students will:

- CO1. Learn in depth Understand the concept of Economic development and factors affect Development.
- CO2. Deliberate in details with examples Differentiate Economic development and growth.
- CO3. Identify the characteristics of Demographic Trends.
- CO4. Specify in depth Harrod -Domar Growth Model.
- CO5. Understand the classification and characteristics of Endogenous Growth theory.
- CO6. Identify the details of Poverty Eradication Measures.
- CO7. Deliberate in depth Amartya Sen and Bhagavathi Debate.

Course Description:

This course reviews major trends in aggregate economic indicators of economic development, factors in economic development and theories of economic development and growth

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|-------------|---|-----------|
| I | Economic Development: | 18 |
| | Economic Development –Meaning-definition-Economic Growth and Development-Factors affecting Development-Indicators of Economic Development-[National Income, Per capita Income, Basic needs approach- PQLI-HDI-GEM-MDPI(Multi Dimensional Poverty Index)Happiness Index] | |
| II | Factors in Economic Development: | 12 |
| | Capital Formation, Human Capital-Physical Capital-Technology- Demographic Trends- Institutional factors. | |
| III. | General Theories of Economic Growth | 15 |
| | Adamsmith, Karl Marx and Schumpeter’s Theories of Economic Development. Harrod-Domor Growth Model. | |
| IV. | Partial Theories of Economic Growth and Development: | 12 |
| | Arthur Lewis- Labour Surplus Model. Big push Theory-Theories of Dualistic Development-Endogenous Growth Theory. | |
| V. | Economic Growth and Distributive Justice: | 18 |
| | Economic Growth and Social Justice: Poverty- Meaning, Types, Measures and Causes. Poverty Eradication Measures-Unemployment- Meaning, Types, Measures And Causes. | |

Measures to reduce Unemployment. Occupational Structure in the Organized and Unorganized Sector (with reference to India) Amartya Sen- Bhagavathi Debate.

Reference:

Michael P Todaro and Stephen Smith. Economic Development, Pearson, 11th edition (2011).

Uma Kapila, Indian Economy since Independence, Academic Foundation, 19th edition (2009).

United Nations Development Programme, Human Development Report 2010.palgrave Macmillan (2010).

Government of India, Economic Survey (latest).

Government of India, Five Year Plan (latest).

Government of India. Finance Commission Report (latest).

Dutt Ruddar & Sundaram .K. P. M -Indian Economy

Misra S. K & V. K. Puri-Indian Economy(Himalaya Publishing House)

Agarwal A. N -Indian Economy(Vishwa Publications)

P. K. Dhar -Indian Economy(New Age International)

DLE21211

V Semester

Discipline Specific Elective (DSE) 1B: Money and Banking

Course outcome

On completion of the Course, students will:

- CO1. Understand the characteristics of Demand for Money.
- CO2. Specify the classification and characteristics of Capital Market.
- CO3. Deliberate the details of Theories of Interest.
- CO4. Learn the classification and characteristics of Functions of Commercial bank.
- CO5. Understand the characteristics of Indian Banking System.
- CO6. Learn the characteristics of Evaluation and Functions of Central bank.
- CO7. Deliberate the details of Monetary Policy.

Course Description:

This course exposes students to the theory and functioning of the monetary and financial sectors of the economy. It highlights the organization, structure and role of financial markets and institutions. It also discusses interest rates, monetary management and instruments of monetary control, financial and banking sector reforms and monetary system with special reference to India.

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|---|-----------|
| I. Money : | 12 |
| Concept, Functions and its Classification. Demand for Money and determinants. Supply of money and determinants. Theories of Value of Money. | |
| II. Money Market and Capital Market: | 15 |
| Money Market-Meaning-Structure and Instruments-Characteristics of a Good Money Market.
Capital Market- Meaning-Structure and Instruments. | |
| III. Interest Rates: | 14 |
| Rate of Interest-Meaning-Structure-Functions-short term and Long Term Interest. Theories of Interest rate Determination-Interest rate in India. | |
| IV Commercial Bank: | 16 |
| a) Commercial Bank-Functions-Role-Balance Sheet..
b) Indian Banking System-Banking sector reforms, Changing role and structure. | |
| V. Central Banking and Monetary Policy: | 18 |
| a) Central Bank-Evaluation and Functions of Central Bank. | |

b) RBI and its role in the Development of Banking System in India- RBI and Monetary Policy. Credit control Instruments.

Reference:

F. S. Mishkin and S. G. Eakins, Financial Markets and Institutions, Pearson Education, 6th edition, 2009

F. J. Fabozzi, F. Modigliani, F. J. Jones, M. G. Ferri, Foundations of Financial markets and Institutions, Pearson Education, 3rd edition, 2009

L. M. Bhole and J. Mahukud, Financial Institutions and Markets, Tata McGraw Hill, 5th edition, 2011

M. Y. Khan, Indian Financial System, Tata McGraw Hill, 7th edition, 2011.

Various latest issues of RBI Bulletins, Annual Reports, Reports on Currency and Finance and Reports of the Working Group, IMF Staff Papers.

L. V. Chandler- Money & Banking (S. Chand & Company)

D. M. Mithani- Money & Banking and Financial System (Himalaya Publishing house)

R. R. Paul- Monetary Economics (Kalyani Publishers)

B. Gupta- Monetary Economics (S. Chand & Company)

DLE21411

V Semester

Discipline Specific Elective (DSE)-1C: Environmental Economics

Course outcome

On completion of the Course, students will:

- CO1. Deliberate in details with examples Pareto Optimality.
- CO2. Understand the details of Market failure and Externalities.
- CO3. Understand in details with examples Implementation of Environmental Policy
- CO4. Identify in details with examples Economics of climate change
- CO5. Specify the details of Cost- benefit analysis of Environmental policies.
- CO6. Deliberate the characteristics of Sustainable Development.
- CO7. Identify the details of Environmental Valuation Methods and Application.
- CO8. Specify in depth Perspectives from Indian experience.

Course Description:

This course introduces students to concepts, methods and policy options in managing the environment using tools of economic analysis. Since several environmental problems are caused by economic activity, for instance, carbon emissions, over-harvesting of renewable resources and air and water pollution as a by- product of industrial activity. This course examines different approaches to adjusting behavior through economic institution such as markets and incentives.

I. Introduction:

16

Key environmental issues and problems, economic way of thinking about these problem, basic concepts from economics; Pareto optimality and market failure in the presence of externalities; property rights and other approaches.

II. The Design and Implementation of Environmental Policy:

18

Overview, Pigouvian taxes and effluent fees, tradable permits, implementation of environmental policies in India and international experience; trans-boundary environmental problems: economics of climate change.

III. Environmental Valuation Methods and Applications:

14

Valuation of non-market goods and services-theory and practice; measurement methods; cost-benefit analysis of environmental policies and regulations.

IV Sustainable Development:

12

Concepts: measurement; perspectives from Indian experience.

Reference:

Roger Perman, Yue Ma, Michael Common, David Maddison and James McGilvray, "Natural Resource and Environmental Economics" Pearson Education/Addison.

Charles Kolstad," Intermediate Environmental Economics" Oxford University press 2nd edition.2010.

DLE21611

V Semester

Skill Enhancement Course (SEC)-1: Financial Economics

Course outcome

On completion of the Course, students will:

- CO1. Learn in depth Basic theory of interest.
- CO2. Learn in details with examples Investment decisions under uncertainty.
- CO3. Deliberate the classification and characteristics of Portfolios of assets.
- CO4. Understand the details of Capital Asset Pricing Model.

Course Description:

This course introduces students to the economics of finance, essential aspects of financial asset valuation. The students are introduced to numerical techniques in finance using spreadsheet programmes such as Microsoft Excel. The course will impart skills that will be useful in a variety of business settings including investment banks, asset management companies and in the field of financial and business journalism.

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|-------------|--|-----------|
| I | Deterministic cash-flow streams : | 22 |
| | Basic theory of Interest, Investment decisions under uncertainty: Pay back period Method, Net Present Value Method, Internal Rate of return Method, fixed Income securities: Bond, Prices and Yields, Interest rate sensitivity and duration the term structure of Interest rates, spot rates and forward rates. | |
| II. | Single-period random cash flows: | 21 |
| | Random asset returns; portfolios of assets: portfolio mean and variance: feasible combinations of mean and variance: Portfolio analysis: the Markowitz model and Two fund theorems: risk-free assets and the one-fund theorem. | |
| III. | Capital Asset Pricing Model(CAPM): | 17 |
| | The Capital Market: Capital Asset Pricing Model: Securities Market: use of the CAPM model in investment analysis and as a pricing formula. | |

Reference:

- David G. Luenberger. Investment Science - Oxford University Press.USA.1997
Richard A. Brealey and Stewart C. Myers - Principles of Corporate Finance, McGraw-Hill, 7th Edition
Burton G. Malkiel. A Random Walk Down Wall Street, W. W. Norton & Company, 2003
Simon Benninga, Financial Modeling, MIT Press, USA, 1997
L. V. Chandler-Money & Banking (S. Chand & Company)
D. M. Mithani - Money & Banking and Financial System (Himalaya Publishing house)
R. R. Paul-Monetary Economics (kalyani Publishers)
B. Gupta-Monetary Economics (S. Chand & Company)

DLF21011

VI Semester

Discipline Specific Elective (DSE)-1A : Indian Economy

Course outcome

On completion of the Course, students will:

- CO1. Understand the characteristics of Indian Agricultural policies.
- CO2. Identify the classification and characteristics of Regional variation.
- CO3. Write down the classification and characteristics of New Industrial Policy.
- CO4. Specify in depth Public and Private Sector.
- CO5. Identify in depth Monetary Policy.
- CO6. Understand in depth FDI and WTO.
- CO7. Learn in details with examples Public Debt.
- CO8. Identify the details of Effects of Parallel Economy.

Course Description:

This course examines sector-specific trends in key indicators and their implications in the post-Independence period.

- I. Indian Agriculture: Policies and Performance** **14**
Role of Agriculture in India-Agriculture development-Agriculture-Production and Productivity-Agriculture Credit-Agriculture Labour-Agriculture Pricing and Marketing-Land Reforms-Regional Variation.

- II. Indian Industries: Policies and Performance** **15**
Role of Industries-Problems of Large Scale and Small Scale Industries in India. Private Sector and Public Sector Industries-Disinvestment Policy. New Industrial Policy.

- III. Development of Tertiary and Service Sector In India** **16**
Role of commercial banks in Indian economy; Reserve Bank of India and Monetary policy; Reforms in the Banking sector(Narasimmam committee only)
Growth of Service Sector in India: Trends and Issues. Health and Education Policy.

- IV. India's Foreign Trade: Trends and Policies** **13**
Composition, directions, Trends in India's Foreign Trade. FDI and WTO. WTO and India's Foreign Trade. Balance of Trade, Balance of Payments. Trade Liberalization.

- V. Indian Public Finance** **17**

Revenue and expenditure of central and state governments; India's public debt; deficit financing; financial relations between central and state; parallel economy-meaning, causes, extent and consequences; measures to control it.

Reference:

UmaKapila Indian Economy Since Independence, Academic Foundation,19th edition(2009)

Government of India, Economic Survey (latest).

Government of India, Five Year Plan (latest).

Michael P Todaro and Stephen Smith. Economic Development, Pearson, 11th edition (2011).

Uma Kapila, Indian Economy since Independence, Academic Foundation, 19th edition (2009).

United Nations Development Programme, Human Development Report 2010.palgrave Macmillan (2010).

Government of India, Economic Survey (latest).

Government of India, Five Year Plan (latest).

Government of India. Finance Commission Report (latest).

Dutt Ruddar & Sundaram.K.P.M-Indian Economy

Misra S.K & V.K.Puri-Indian Economy(Himalaya Publishing House)

Agarwal A.N-Indain Economy(Wishva Publications)

P.K.Dhar-Indian Economy(New Age International)

DLF21211

VI Semester
Discipline Specific Elective (DSE)-1B:
Economic History of India 1857-1947

Course outcome

On completion of the Course, students will:

- CO1. Learn in depth Indian Economy in the pre -British period.
- CO2. Specify in depth Estimation of National Income in India.
- CO3. Identify the characteristics of Agriculture markets and Institutions- credit.
- CO4. Understand in details with examples Evaluation of Entrepreneurial and Industrial Structure.
- CO5. Learn the details of Government and fiscal policy.

Course Description:

This course analyses key aspects of Indian economic development during second half of British rule and investigates the place of Indian economy in the wider colonial context. This course links directly to the course on India's development after independent in 1947.

- | | |
|--|-----------|
| I. Introduction: Colonial India: Background and Introduction | 13 |
| Overview of colonial economy. | |
| II. Macro Trends: | 15 |
| National Income; population; occupational structure. | |
| III. Agriculture: | 17 |
| Agrarian structure and land relations; agricultural markets and institutions-credit.
Commerce and technology; trends in performance and productivity; famines. | |
| IV. Railway and Industry: | 16 |
| Railways; the de-industrialization debate; evolution of entrepreneurial and industrial structure; Nature of industrialization in the interwar period; constraints to industrial breakthrough; labor relations. | |
| v. Economy and State in the Imperial Context: | 14 |
| The imperial priorities and the Indian economy; drain of wealth; international trade,Capital, flows and the colonial economy- changes and continuities; government and fiscal policy. | |

Reference:

- Lakshmi Subramaniam, History of India-1707-1857, Orient Blackswan (2010)
- Tirthankar Roy, The Economic History of India 1857-1947,Oxford University (2011)

J.Krishnamurthy, Occupational Structure, The Cambridge
Irfan Habib, Indian Economy 1858-1914,(2006)

DLF21411

VI Semester

Discipline Specific Elective (DSE)-1C: Public Finance

Course outcome

On completion of the Course, students will:

CO1. Understand the classification and characteristics of Public Economics and Public Finance.

CO2. Understand in details with examples Test of maximum social Advantage.

CO3. Understand in depth Tax and non Tax Revenue.

CO4. Identify the characteristics of Central and State financial Relations.

CO5. Deliberate the classification and characteristics of Central and State financial Relations.

Course Description:

This course gives a non-technical overview of government finances with special reference to India. It will look into the efficiency and equity aspects of Taxation of the centre, states and the local governments and the issues of fiscal federalism and decentralization in India. The course will be useful for students aiming towards careers in the government sector, policy analysis, business and journalism.

I Introduction :

13

Meaning, Nature and Scope of Public Finance, differences between Public Economics and Public Finance.

II Principles of Public Economics:

15

Principles of maximum social advantage, Principle of allocation of resources; Test of maximum social advantage; Pareto's welfare Theory; Social welfare functions of modern governments; Distinction between private and public goods; Market imperfection; Externalities.

III Public Revenue, Expenditure and Debt:

17

- a) Public Revenue-Tax and Non-Tax Revenue-Cannon of Taxation.
- b) Public Expenditure-Principles of Public Expenditure and Wagner's Law of Increasing state Activities.
- c) Public Debt-Meaning-Causes-Burden and Redemption.

IV Issues In Indian Public Finance:

- a) Working of monetary and fiscal policies
- b) Current Issues of Indian Tax System.
- c) Central and State financial Relations.
- d) State and Local Finance.

16

Classification of Budgets: Programme performance budget; Budgetary deficits-Revenue and fiscal deficits; Zero based budgeting; Fiscal policy-meaning and objectives.

Reference:

Musgrave, R. A. and P. B. Musgrave, Public Finance in Theory and Practice, Mc-Graw Hill, 1989

Mahesh Purohit, " Value Added Tax: Experience of India and other Countries' Gayatri Publications, 2007

Kaushik Basu, and A. Maertens (ed).The Oxford Companion to Economics in India, Oxford University Press, 2007

M. M. Sury - Government Budgeting in India, Commonwealth publishers, 1990.

Shankar Acharya, ' Thirty Years of tax reform' in India, Economic and Political Weekly, May 2005.

Report of the 13th Finance Commission - Government of India

Economic survey - Government of India (latest)

State Finances: A Study of Budgets, Reserve Bank of India (latest).

H. L. Bhatia-Public Finance (Sulthan Chand & Sons)

S. K. Singh-Public Finance in Theory & Practice (Himalayan Publications)

K. P. M. Sundaram & K. K. Andley -Public Finance (Sulthan Chand & Sons)

B. P. Tyagi- Public Economics (Himalayan Publications)

DLF21611

VI Semester
Skill Enhancement Course (SEC)-1: DATA ANALYSIS

Course outcome

On completion of the Course, students will:

- CO1. Understand the classification and characteristics of Population Census versus Sample Survey.
- CO2. Specify the details of Measures of Central Tendency
- CO3. Understand in depth Karl Pearson Method
- CO4. Learn in details with application, if applicable, Normal Distributions
- CO5. Learn the details of Introduction to Probability theory

Course Description:

This course introduces the student to collection and presentation of data. Discusses how data can be summarized and analyzed for drawing statistical inferences. The students will be introduced to important data sources that are available and will also be trained in the use free statistical software to analyze data.

- I.** Data: Meaning, Types, Importance of Data, Sources of Data. Population Census versus Sample Survey. **14**
- II.** Univariate frequency distributions. Measures of Central tendency: Mean, Median and Mode, Measures of Dispersion, Skeweness and kurtosis. **15**
- III.** Bivariate frequency distribution. Correlation, Karl Pearson Method-Spearman's Rank Correlation-Regression- Estimator. **14**
- IV.** Introduction to probability theory- Notions of random experiment ,sample space. Event, probability of an event. Conditional probability. Independence of events. Random variables and Probability distributions. Binomial and normal distributions. **17**

Reference:

- P. H. Karmel and M. Polasek (1978), Applied Statistics for Economics
- M. R. Spiegel, Theory and Problems of probability And Statistics
- Veerachamy –Quantitative methods for Economics-(New Age International)
- Anderson, David R, Dennis, Sweeney & Thomas A Williams Statistics for Business & Economics (New Age International)
- C. K. Renukarya – Mathematics and Statistics for Economics (Chethana Book house)
- Suresh. B. H-Quantitative Techniques (Chethana Book house)

DLF21811/ DLE21811

**GENERIC ELECTIVE PAPER FOR V&VI SEMESTER V-DLE21811(K G) &
VI- DLF21811(H P)
INDIAN ECONOMY**

Course outcome

On completion of the Course, students will:

- CO1. Identify in details with examples Human Resource.
- CO2. Learn the characteristics of Population policy.
- CO3. Identify the details of Role of Agriculture.
- CO4. Understand the details of Rural Development.
- CO5. Understand in depth Disinvestment.
- CO6. Deliberate the classification and characteristics of Foreign Trade.
- CO7. Specify in details with application, if applicable, Public Revenue and Expenditure.
- CO8. Specify the characteristics of Parallel Economy.

Module 1: Introduction

Features of Indian Economy; Concepts of National Income -GNP-NNP-GDP-NDP- Percapita Income- Disposable Income- Green GDP; Human Resource - Importance: Causes and Effects of Population Explosion and its measures: India's Population Policy and Development; Key indicators of Latest Census; Poverty: Definition, Extent and measurement of Poverty; Poverty and Inequality; Poverty Alleviation Schemes; Unemployment: Definition and Types: Employment Guarantee Schemes.

Module 2: Agriculture and Rural Development

Role of Agriculture; Cropping Pattern-Land Reforms-Green Revolution-Agriculture Production-Efficiency and Productivity- Food Security; Climate change & Agriculture; Sources of Agricultural Credit-Co-Operatives Banks, Regional Rural Banks, NABARD, Commercial Banks; Agricultural Marketing-Problems and remedies; Agriculture and WTO; Rural Development Programmes-Development of Economic and Social Infrastructure in rural India.

Module 3: Industrial Development

Role of Industries; Industrial Policy since 1991; MSMEs-Role and Problems; Large Scale Industries; Disinvestment in Public Sector undertakings; Industrial Sickness; SEZs; progress of Indian Industrial Sector in the context of Globalization and its impact on Indian economy. Role of Foreign Direct Investment and Multinational Companies.

Module 4: Development of Tertiary Sector

Reserve Bank of India and Monetary Policy; Role of Commercial Banks in Indian Economy; Reforms in the Banking Sector (Narasimham Committee only); Foreign Trade- Trends, Composition, directions of Trade-India's Balance of Payments; Impact of WTO on India's foreign trade; New EXIM Policy. India's Foreign Exchange Reserves.

Module 5: Indian Public Finance

Budget-Meaning-Types; Revenue and Expenditure of Central and State Governments; Tax revenue of Government of India-Tax reforms. India's public Debt; Deficit Financing; Financial relations between Central and State; Role of Fiscal Policy: Parallel Economy-Meaning, Causes, Extent and Consequences; Measures to Control it.

Reference:

Dutt Ruddar & Sundaram K.P.M-Indian Economy(S. Chand & Co, New Delhi)

Kapila Uma, Indian Economy since Independence, Academic Foundations, New Delhi

Misra S.K & V.K Puri - Indian Economy (Himalaya Publishing House)

S. Sankaran - Indian Economy(Margham Publications)

Mohan Rakesh (Edition), Facts of the Indian Economy, OUP, New Delhi

Vaidyanathan A. India's Economic Reforms and Development, Oxford University Press New Delhi

Agarwal A.N- Indian Economy (Vishva Publications)

M.C.Vaish-Indian Economy (New Age International)

P. K. Dhar- Indian Economy (New Age International)

Economic Survey (Recent) – Govt. of India and Karnataka

Data Sources: Hand Book of statistics of Indian Economy

Census Report & NSSO Report

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(AUTONOMOUS)
B.N. ROAD, MYSORE-25

DEPARTMENT OF ECONOMICS
MODEL QUESTION PAPER
I, II, III, IV, V&VI Semester
(CBCS Scheme)

Time: 3 Hours

Max. Marks – 70

PART-A

I. Answer the following questions.

5x2=10

1)

- a)
- b)
- c)
- d)
- e)

PART-B

II. Answer any four of the following questions.

4x5=20

- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

PART-C

III. Answer any four of the following questions.

4x10=40

- 8.
- 9.
- 10.
- 11.
- 12.