

**JSS COLLEGE FOR WOMEN
(AUTONOMOUS)
SARASWTHIPURAM, MYSURU**

**DEPARTMENT OF ECONOMICS
NEW SYLLABUS(NEP)**

**Autonomous regulations & Revised Syllabus for Undergraduate Economics with NEP
scheme (UG) effective from 2020-2021**

JSS COLLEGE FOR WOMEN
(AUTONOMOUS)
SARASWTHIPURAM, MYSURU
DEPARTMENT OF ECONOMICS
U.G Programme course Structure under NEP
(Scheme of syllabus from 2020-2021)

Sl No	Sem	Course Code	Course Title	Teaching Hours Per week	Credit	I.A Marks	Theory Exam	Total Marks
1	I	DSC 1	Basic Economics-I	3	3	40	60	100
2	I	DSC 2	Contemporary Indian Economy	3	3	40	60	100
3	I	OEC 1	a. Pre-reforms Indian Economy	3	3	40	60	100
			b. Development Studies	3	3	40	60	100
4	II	DSC 3	Basic Economics-II	3	3	40	60	100
5	II	DSC 4	Karnataka Economy	3	3	40	60	100
6	II	OEC 2	a. Contemporary Indian Economy	3	3	40	60	100
			b. Sustainable Development Goals	3	3	40	60	100
7	III	DSC 5	Micro Economics	3	3	40	60	100
8	III	DSC 6	Mathematical Economics	3	3	40	60	100
9	III	OEC 3	a. Rural Economics	3	3	40	60	100
			b. Economics of Human Development	3	3	40	60	100
10	IV	DSC 7	Macro Economics	3	3	40	60	100
11	IV	DSC 8	Statistics for Economics	3	3	40	60	100
12	IV	OEC 4	a. Karnataka Economy	3	3	40	60	100
			b. Entrepreneurial Economics	3	3	40	60	100
13	V	ECO C9	Public Economics	4	4	40	60	100
		ECO C10	Development Economics	4	4	40	60	100
		ECO C12	Indian Banking and Finance	4	4	40	60	100
14	VI	ECO C13	International Economics	4	4	40	60	100
		ECO C14	Indian Public Economics	4	4	40	60	100
		ECO C16	Environmental Economics	4	4	40	60	100

BA (Hons) Economics

Semester 1

DSC 1.2: Basic Economics – I (Economic Analysis -I) 3 credits

Course Outcomes:

By the end of the course the student will be able to:

1. Identify the facets of an economic problem.
2. Learn basic economic concepts and terms.
3. Explain the operation of a market system;
4. Analyse the production and cost relationships of a business firm;
5. Evaluate the pricing decisions under different market structures; and
6. Use basic cost-benefit calculations as a means of decision making (i.e., thinking like an economist)

Content of Basic Economics 1	42 Hrs
Unit – 1 Basic Concepts in Economics	14
Chapter No. 1 Nature and Scope of Economics • Meaning of Economics • Nature of Economics • Scope of Economics • Methods of Economics • Why Study Economics?	5
Chapter No. 2 Thinking Like an Economist • Thinking Like an Economist • The Economist as Scientist • The Economist as Policy Adviser • Economic Policy	4
Chapter No. 3 Economic System • Types of Economic Activities • Organisation of Economic Activities • Circular Flow of Economic Activities • Evolution of the Present Economic Systems Practicum: 1. Group Discussions on Choice Problem 2. Assignment on Types of Economic Systems	5
Unit – 2 Demand, Supply and Markets	14
Chapter No. 4. Firms and Household • Meaning of Firms and Household • Relationship Between Firms and Household • Input Markets • Output Markets	4
Chapter No. 5. Demand and Supply • Individual Demand • Market Demand • Demand Determinants • Supply and its Determinants • Market Equilibrium	5

Chapter No. 6. Elasticity and its Measurement • Types of Elasticity of Demand • Price, Income and Cross Elasticities • Measurement of Elasticity of Demand • Determinants of Elasticity of Demand Practicum: 1. Estimation of demand and supply elasticities 2. solving an equilibrium problem	5
Unit – 3 Cost and Market Structures	14
Chapter No. 7 Production and Costs • Production Function • Total Production Cost • Marginal Production Cost • Average Production Cost • Revenue Functions Chapter No. 8. Accounting and Economic Costs • Cost in the Short run • Fixed Costs and Variable Costs • Marginal Costs • Long run AC and MC • TR, MR, AR Chapter No. 9. Market Structures • Markets • Perfect and Imperfect Competition • Features of Perfect Competition • Monopoly, Oligopoly and Monopolistic Competition • Pricing Strategies Practicum: 1. Calculation of various costs and comparing them with production concepts; a mini-project can be taken up wherever possible 2. Studying the real-life pricing mechanism through a project/ case studies	4
References (indicative)	5
1. Cohen, A.J. (2020). <i>Macroeconomics for Life: Smart Choices for All? + MyLab Economics with Pearson eText</i> (updated 2 nd ed.). Toronto, ON: Pearson Canada Inc. Type: Textbook: ISBN: 9780136716532 2. Cohen, A.J. (2015). <i>Microeconomics for Life: Smart Choices for You + MyLab Economics with Pearson eText</i> (2 nd ed.). Toronto, ON: Pearson Canada Inc. Type: Textbook: ISBN: 9780133899368 3. Case Karl E. and Fair Ray C. Principles of Economics, Pearson Education Asia, 2014. 4. Mankiw N. Gregory. Principles of Economics, Thomson, 2013. 5. Stiglitz J.E. and Walsh C.E. Principles of Economics, W.W. Norton & Co, New York, 2011.	5

Semester II

Course Title: DSC 1.3: Contemporary Indian Economy	
Total Contact Hours: 42	Course Credits: 3
Formative Assessment Marks: 30	Duration of ESA/Exam: 3 Hrs
Model Syllabus Authors:	Summative Assessment Marks: 70

Course Pre-requisite(s):

Course Outcomes (COs):

At the end of the course the student should be able to:

- i. Understand the current problems of Indian Economy
- ii. Identify the factors contributing to the recent growth of the Indian economy
- iii. Evaluate impact of LPG policies on economic growth in India
- iv. Analyze the sector specific policies adopted for achieving the aspirational goals
- v. Review various economic policies adopted

Content of Course 1	42 Hrs
Unit – 1 LPG POLICIES, ECONOMIC REFORMS AND AGRICULTURE	14
Chapter No. 1 Recent Issues • Genesis and Impact of LPG • India's population policy • Demographic Dividend • India's human development in global perspective	4
Chapter No. 2 Urbanization and governance • Urbanization and Smart City Mission • Informal sector • Impact of COVID-19 Pandemic • Atma Nirbhara Bharat Abhiyan	4
Chapter No. 3 Economic Reforms and Agriculture • Agriculture and WTO • Price policy and Subsidies • Commercialisation and Diversification • Public Distribution System • Impact of public expenditure on agricultural growth • Agrarian Crisis, Doubling Farm Incomes, MGNREGS	6
Practicum 1. Mini-project to ascertain the impact of pandemic on lives of different sections of population 2. Field visits to understand the agrarian situation	
Unit – 2 INDUSTRY, BUSINESS, FISCAL POLICY	14
Chapter No. 4. Industrial Policy • New Industrial Policy and changes • Public sector reform • Privatisation and Disinvestment	4

• Competition Policy	
Chapter No. 5. Business • Ease of Doing Business • Performance of MSMEs • Role of MNC's in Industrial Development • Make in India, development of economic and social infrastructure • National Monetization Pipeline (The teacher should include the latest policy of the government) Chapter No. 6. Fiscal Policy • Tax, Expenditure, Budgetary deficits • Pension and Fiscal Reforms • Public debt management and reforms • Fiscal Responsibility and Budget Management (FRBM) Act • GST, Fiscal Federalism and Fiscal Consolidation • Recommendations of the Current Finance Commission Practicum: Mini-projects to assess the business climate	5
Unit – 3 MONETARY POLICY, FOREIGN TRADE AND INVESTMENT	14
Chapter No. 7 Monetary Policy • Organisation of India's money market • Financial sector reforms • Interest rate policy • Review of monetary policy of RBI Chapter No. 8. Money and Capital Markets • Working of SEBI in India • Changing roles of the Reserve Bank of India • Commercial banks, • Development Finance Institutions • Foreign banks and Non-banking financial institutions • Analysis of price behaviour in India, Anti-inflationary measures • Demonetization and its impact Chapter No. 9. Foreign Trade and Investment • India's foreign trade • India Balance of payment since 1991 • New Exchange Rate Regime: Partial and full convertibility • Capital account convertibility • FDI – Trends and Patterns • New EXIM policy, WTO and India • Bilateral and Multilateral Trade Agreements and Associations Practicum: 1. Computation and analysis of Wholesale Price Index, Consumer Price Index: components and trends. 2. Group Discussions on India's trade policies and trade agreements References • Bardhan, P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi. • Bhaduri Amit, (2015), A Model of Development By Dispossession, Fourth Foundation • Byres Terence J. (ed.), (1998), The State, Development Planning and Liberalisation 'in India, Delhi, OUP • Dutt Ruddar and K.P.M Sundaram (2001): Indian Economy, S Chand & Co. Ltd. New	3 5 6

Delhi. • Frankel Francine R., (2004), India's Political Economy, Delhi. OUP Jenkins Rob, 2000, Economic Reform in India, Cambridge, CUP • Jalan, B. (1996), India's Economic Policy- Preparing for the Twenty First Century, Viking, New Delhi. • Joshi Vijaya and L.M.D. Little, (1998), India's Economic Reform 1991-2001, Delhi, OUP. • Kapila Uma: Indian Economy: Policies and Performances, Academic Foundation • Mishra S.K & V.K Puri (2001) "Indian Economy and –Its development experience", Himalaya Publishing House. • Mukharji Rahul (ed.) (2007), India's Economic Transition: The Politics of Reforms, edited by Rahul Mukherji, Oxford University Press , New Delhi. • Stuart and John Harris, (2000), Reinventing India, Cambridge Polity	
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Semester 1

Course Title: OEC 1.5: Pre-Reforms Indian Economy (OEC)	
Total Contact Hours: 42	Course Credits: 3
Formative Assessment Marks: 30	Duration of ESA/Exam: 3 Hrs
Model Syllabus Authors:	Summative Assessment Marks: 70

Course Pre-requisite(s): 12th Standard Pass

Course Outcomes (COs):

At the end of the course the student should be able to:

- i. Trace the evolution of Indian Economy
- ii. Identify the structural features and constraints of the Indian economy
- iii. Evaluate planning models and strategy adopted in India
- iv. Analyze the sector specific problems and contributions towards overall economic growth
- v. Review various economic policies adopted

Unit	Description	Hours
I	Features and problems of Indian Economy	15
	Chapter 1: Features of Indian Economy - India as a developing economy, - Demographic features - Human Development (HDI), - Problems of Poverty, Unemployment, Inflation, income inequality	4
	Chapter 2: Issues in Agriculture sector in India - Land reforms - Green Revolution - Agriculture marketing in India - Agricultural price policy	6
	Chapter 3: Industrial and Service Sector - Industrial development; - Micro, Small and Medium Enterprises, - Industrial Policy - Performance of public sector in India, - Service sector in India.	5
	Practicum: 1. Identifying economic problems and their causes; 2. Mini-project on any aspect of Indian agriculture, industry, service and public sectors	
II	Economic Policies	13
	Chapter 4: Planning - Mixed Economy - Bombay Plan - Gandhian Model - Nehru Mahalanobis Model - Objectives and achievements of economic planning in India	5
	Chapter 5: Monetary policy in India Instruments of Monetary Policy	2

	• Black money in India – Magnitude and Impact Chapter 6: Fiscal Policy in India • Tax Revenue • Public expenditure • Budgetary deficits • Fiscal reforms • Public debt management and reforms • Centre state Finance Relations and Finance commissions in India. Practicum: Assignment on successes and failures of India's planning; Monetary and Fiscal Policy instruments	6
III	External sector and Nature of Reforms in India	14
	Chapter 7: India's foreign trade • Salient features • Value, composition and direction of trade • Balance of payments • Goal of self-reliance based on import substitution and protection • Tariff policy • Exchange rate Chapter 8: Post-1991 strategies • Stabilisation and structural adjustment packages • Liberalisation Privatisation Globalisation (LPG) Model • Impact of LPG Policies on Indian Economy Chapter 9: NITI Ayog • Organization • Functions Practicum: Calculation of BoP and evaluating trade policies; Assignment and group discussion on the impact of LPG Policies	6 6 2
Suggested Readings: 1. Dutt Ruddar and K.P.M Sundaram (2001): Indian Economy, S Chand & Co. Ltd. New Delhi. 2. Mishra S.K & V.K Puri (2001) "Indian Economy and –Its development experience", Himalaya Publishing House. 3. Kapila Uma: Indian Economy: Policies and Performances, Academic Foundation 4. Bardhan, P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi. 5. Jalan, B. (1996), India's Economic Policy- Preparing for the Twenty First Century, Viking, New Delhi.		

Semester 1

Course Title: OEC 1.5: Development Studies (OEC)	
Total Contact Hours: 42	Course Credits: 3
Formative Assessment Marks: 30	Duration of ESA/Exam: 3 Hrs
Model Syllabus Authors:	Summative Assessment Marks: 70

Course Pre-requisite(s): 12th Standard Pass

Course Outcomes (COs):

At the end of the course the student should be able to:

- i. Graduates will be able to excel in higher studies and/or to succeed in profession.
- ii. Graduates will get a solid foundation of fundamentals required to solve socioeconomic problems and also to pursue higher studies.
- iii. Graduates will demonstrate knowledge to appreciate of the dimensions of contemporary development issues, to generate sensitivity to problems concerning ethics and human values to develop orientation towards effective communication and critical analysis, and to appreciate the interrelationships among disciplines as they relate to everyday realities.
- iv. Graduates will cultivate professional and ethical attitude, effective Communication skills, teamwork skills, multidisciplinary approach, and to facilitate an advanced understanding and appreciation of the principles, methodologies, value systems, and thought processes employed in human inquiries.

Unit	Description	Hrs
I	Development: Meaning and Current Challenges	9
	Chapter 1: Meaning of Development - The concept of development, - Growth and Development - Transition from quantitative to qualitative indices	3
	Chapter 2: Modern economic growth - Characteristics of modern economic growth - Regional and global disparities - Common characteristics and dissimilarities among developing countries.	3
	Chapter 3: Current Development Challenges - Inequality - Migration - Conflicts Practicum:	3
II	Approaches to Development	12
	Chapter 4: Development Ethics - Concept and meaning - Principles and importance of Development Ethics	2
	Chapter 5: Assessing Development - Per capita income - PQLI - Choice and Capabilities - HDI	4
	Chapter 6: Approaches of Development Adam Smith	6

	• Marx • Schumpeter • Structuralist approach • Neo-liberalism, IMF and structural adjustment • Capabilities Approach Practicum:	
III	Theories and Current Issues in Development	21
	Chapter 7: Theories of Development • Theorizing Development - Modernization Theory, Dependency Theory • Capitalist World System • The evolution of thought on poverty reduction • Colonial Regimes and Their Legacies Chapter 8: The Industrial Revolution • Genesis and Spread • International specialization of Labour/Industry • Industrial Labour • ILO and its activities to promote labour standards Chapter 9: Environment and development • Increasing degradation of natural environment – water and air pollution and deforestation • Depletion of global commons • Sustainable development - concept and measures • SDGs • Climate Change – Causes, Impact, Measures of Mitigation and Adaptations Practicum:	6 5 10
Suggested Readings: 1. Crocker, D. (2008). Ethics and development theory-practice, Ethics of Global Development Agency, Capability, and Deliberative Democracy, 67-106 2. Des Gasper (2008), 'Denis Goulet and the Project of Development Ethics: Development, 8, 99. 481-9, Elsevier Science, 1, pp.10-26. 3. Drèze, Jean and Amartya Sen(2002), India: Development and Participation, second edition. Oxford: Oxford University Press. 4. Gasper, D. (2004). The ethics of development: From Economism to human development. Edinburgh: Edinburgh University Press 5. Huntington, Samuel (1971), The change to change: Modernization, development and politics. Comparative Politics, 3. 6. Myrdal, Gunnar. (1974), "What is Development?" Journal of Economic Issues 8(4):729-736. 7. Peet, Richard with Elaine Hartwick (2009), Theories of Development: Contentions, Arguments, Alternatives (2nd edition). New York: Guilford. 8. Sen, Amartya (1999) Development as Freedom. New York: Anchor Books.		

Semester II

Course Title: DSC 2.2: Basic Economics II	
Total Contact Hours: 42	Course Credits: 3
Formative Assessment Marks: 30	Duration of ESA/Exam: 3 Hrs
Model Syllabus Authors:	Summative Assessment Marks: 70

Course Pre-requisite(s): *Basic Economics I*

Course Outcomes (COs):

At the end of the course the student should be able to:

1. Understand the operation of the overall economic system;
2. Calculate national income and related aggregates
3. Explain the relationship between macroeconomic aggregates;
4. Analyse the nature of business cycles and policies towards controlling them;
5. Evaluate the macroeconomic policies for solving major problems like poverty and unemployment

Unit	Description	Hrs
I	Macroeconomic Concepts and Relationships	12
	Chapter 1: Macroeconomy • Introduction to National Income Accounting • Concepts of GDP, GNP and national income • Approaches to calculating GDP, personal income, Nominal and real GDP • Limitations of the GDP concept	5
	Chapter 2: Monetary economy • Characteristics • The demand for money • The supply of money and overall liquidity position • credit creation	4
	Chapter 3: Inflation • Meaning and causes of inflation • Calculating inflation rate • Impact of inflation	3
	Practicum: 1. Understanding the relationships between various NI concepts used in India's NI accounting; 2. Estimating the components of money supply and interpreting the various price indices	
II	Macroeconomic Challenges and Policies	12
	Chapter 4: Macroeconomic challenges • Unemployment • Economic Growth • Business Cycles	3
	Chapter 5: Monetary Policy • Objectives • Instruments	3
	Chapter 6: Fiscal Policy • Public finance vs. Private finance • Fiscal functions and role of government: allocation, distribution and stabilisation • Characteristics of public goods,	6

	Rationale of public provision of public goods Practicum: 1. Reviewing the monetary policy of RBI; 2. A project to identify the nature and causes of poverty and the latest central budget	
III	Public Policy and Globalization	18
	Chapter 7: Poverty and public policy - Meaning, measurement and types of poverty - Poverty alleviation strategies in India Chapter 8: International Trade - The economic basis for trade—absolute advantage and comparative advantage, - terms of trade - exchange rates - Trade Barriers-tariffs, subsidies and quotas Balance of Payments-The current and capital account Chapter 9: Globalization - Meaning - Importance - Pros and cons of Globalization Practicum: Survey on identification of poor; Calculating the components of BoP of India	6 9 3
References (indicative)		
1. Cohen, A.J. (2020). <i>Macroeconomics for Life: Smart Choices for All? + MyLab Economics with Pearson eText</i> (updated 2 nd ed.). Toronto, ON: Pearson Canada Inc. Type: Textbook: ISBN: 9780136716532 2. Cohen, A.J. (2015). <i>Microeconomics for Life: Smart Choices for You + MyLab Economics with Pearson eText</i> (2 nd ed.). Toronto, ON: Pearson Canada Inc. Type: Textbook: ISBN: 9780133899368 3. Case Karl E. and Fair Ray C. Principles of Economics, Pearson Education Asia, 2014. 4. Mankiw N. Gregory. Principles of Economics, Thomson, 2013. 5. Stiglitz J.E. and Walsh C.E. Principles of Economics, W.W. Norton & Co, New York, 2011.		

Semester II

Course Title: DSC 2.3: Karnataka Economy	
Total Contact Hours: 42	Course Credits: 3
Formative Assessment Marks: 30	Duration of ESA/Exam: 3 Hrs
Model Syllabus Authors:	Summative Assessment Marks: 70

Course Pre-requisite(s):

Course Outcomes (COs):

At the end of the course the student should be able to:

1. Understand the nature of economic growth and problems of Karnataka state.
2. Explain the process of structural growth in Karnataka economy;
3. Evaluate the policies and programmes undertaken by the Govt. of Karnataka for bringing about socio-economic development

Unit	Description	Hours
I	Characteristics of Karnataka Economy	12
	Chapter 1: State Income • State Domestic Product and PCI • Measures to redress regional imbalances	2
	Chapter 2: Human and Natural Resources • Population • Human Development Index • Poverty and Unemployment– Anti-Poverty and Employment generation Programmes • Functioning of Panchayat Raj Institutions	6
	Chapter 3: Natural Resources in Karnataka • Land, Water, Forest and mineral resources in Karnataka • Sustainable Development Goals • Karnataka environmental Policy Practicum:	4
II	Agriculture and Industries in Karnataka	18
	Chapter 4: Agriculture in Karnataka • Importance of Agriculture • Problems in Agriculture • Land Reforms • Cropping Pattern • Irrigation • Watershed Development • Dry Land Farming • Farmers Suicide – causes and solutions	9
	Chapter 5: Rural Development • Public Distribution System • Rural Development Programmes.	3
	Chapter 6: Industries in Karnataka	6

	• Major Industries in Karnataka - Problems and Prospects • MSMEs - Problems and Measures • IT Industries in Karnataka • Industrial Finance in Karnataka • Industrial Policy of Karnataka Practicum:	
III	Infrastructure and Finances	12
	Chapter 7: Infrastructure in Karnataka • Transportation: Road, Rail, Water and Air Transport • Information and Communication Technology facilities; Chapter 8: Social Infrastructure • Drinking Water, Sanitation • Housing • Health and Education • Social Security in Karnataka Chapter 9: State Finance • Sources of Revenue: Direct and Indirect Taxes • GST – Impact and Collections • Sharing of Central Taxes and Grand-in-Aid • Expenditure Sources • States Indebtedness • State Finance Commission • State Budget Practicum:	3 4 5
References (indicative) 1. Government of Karnataka, Economic Survey [Various Issues] 2. Planning Department, Annual Publication, Government of Karnataka. 3. Karnataka at Glance, Annual Publication Government of Karnataka. 4. Madaiah M & Ramapriya. Karnataka Economy Growth: Issues and Development, Himalaya Pub., House, New Delhi. 5. Adul Aziz and K.G. Vasanti. (Eds) Karnataka Economy. 6. Government District Development Reports 7. Hanumantha Rao. Regional Disparities and Development in Karnataka. 8. Krishnaiah Gowda H.R. Karnataka Economy, Spandana Publications, Bangalore 9. Nanjundappa D.M. Some Aspects of Karnataka Economy. 10. Puttaswamiah K. Karnataka Economy, Two Volumes		

Semester II

Course Title: OEC 2.5: Contemporary Indian Economy	
Total Contact Hours: 42	Course Credits: 3
Formative Assessment Marks: 30	Duration of ESA/Exam: 3 Hrs
Model Syllabus Authors:	Summative Assessment Marks: 70

Course Pre-requisite(s):

Course Outcomes (COs):

At the end of the course the student should be able to:

- vi. Understand the current problems of Indian Economy
- vii. Identify the factors contributing to the recent growth of the Indian economy
- viii. Evaluate impact of LPG policies on economic growth in India
- ix. Analyze the sector specific policies adopted for achieving the aspirational goals
- x. Review various economic policies adopted

Content of Course	42 Hrs
Unit – 1 LPG POLICIES, ECONOMIC REFORMS AND AGRICULTURE	14
Chapter No. 1 Recent Issues • Genesis and Impact of LPG • India's population policy • Demographic Dividend • India's human development in global perspective	4
Chapter No. 2 Urbanization and governance • Urbanization and Smart City Mission • Informal sector • Impact of COVID-19 Pandemic • Atma Nirbhara Bharat Abhiyan	4
Chapter No. 3 Economic Reforms and Agriculture • Agriculture and WTO • Price policy and Subsidies • Commercialisation and Diversification • Public Distribution System • Impact of public expenditure on agricultural growth • Agrarian Crisis, Doubling Farm Incomes, MGNREGS	6
Practicum 3. Mini-project to ascertain the impact of pandemic on lives of different sections of population 4. Field visits to understand the agrarian situation	
Unit – 2 INDUSTRY, BUSINESS, FISCAL POLICY	14
Chapter No. 4. Industrial Policy • New Industrial Policy and changes • Public sector reform • Privatisation and Disinvestment • Competition Policy	4

• Frankel Francine R., (2004), India's Political Economy, Delhi. OUP Jenkins Rob, 2000, Economic Reform in India, Cambridge, CUP • Jalan, B. (1996), India's Economic Policy- Preparing for the Twenty First Century, Viking, New Delhi. • Joshi Vijaya and L.M.D. Little, (1998), India's Economic Reform 1991-2001, Delhi, OUP. • Kapila Uma: Indian Economy: Policies and Performances, Academic Foundation • Mishra S.K & V.K Puri (2001) "Indian Economy and –Its development experience", Himalaya Publishing House. • Mukharji Rahul (ed.) (2007), India's Economic Transition: The Politics of Reforms, edited by Rahul Mukherji, Oxford University Press , New Delhi. • Stuart and John Harris, (2000), Reinventing India, Cambridge Polity	
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Semester II

Course Title: OEC 2.5: Sustainable Development Goals	
Total Contact Hours: 42	Course Credits: 3
Formative Assessment Marks: 30	Duration of ESA/Exam: 3 Hrs
Model Syllabus Authors:	Summative Assessment Marks: 70

Course Pre-requisite(s):

Course Outcomes (COs):

At the end of the course the student should be able to:

- i. Understand the basic concept of Sustainable Development (SD), the environmental, social and economic dimensions.
- ii. Know the history of the SD idea.
- iii. Be able to discuss the conflicts which are involved in the SD concept on the national as well as on the global scale.
- iv. Be able to discuss the (dis-)advantages of instruments for SD;
- v. Evaluate the sustainable development goals and their attainments

Unit	Description	Hrs
I	Environment, Development and Pollution	15
	Chapter 1: Meaning Characteristics of Environmental Goods and Services • Relationship between Environment and Development • Environmental Kuznets Curve – Meaning and Evidence • Sustainable Development – Meaning and Indicators Chapter 2: Resource Use and Management • Resource Taxonomy – Renewable and nonrenewable resources • Economic Theory of Depletable Resources • Optimal Use of Renewable Resources • Resource Scarcity and Economic Growth – Limits to Growth Model • Tragedy of Commons and common property Resources • Resource Pricing and Resource Conservation Chapter 3: Sustainable Development • Definitions, Objectives and Principles • Processes and Indicators of Sustainable Development • Approaches and Strategies for Sustainable Development • Environmental accounting Measures Practicum: Miniproject on impact of development on local environment	3 6 6
II	Sustainable Development Goals	10
	Chapter 4: Introduction and History • Brundtland Committee Recommendations • Rio Summit and Agenda 21 • SDGs: Goals, Targets and Indicators Chapter 5: Government and the SDGs • Planning • Localizing the SDGs • SDG Policy Instruments • Industrial Policies and the SDGs Chapter 6: Financing the SDGs	3 4 3

	• Types of financing • New financing mechanisms and global funds Practicum: Assignments on Progress in attainment of various SDGs in India and her states	
III	Issues in Implementing SDGs	17
	Chapter 7: Means to Realizing the SDGs • Degrowth and circular economy • Sustainable production and consumption • Sustainable cities and transportation • Sustainable designs, technology, digital revolution and innovation • Renewable energy Chapter 8: Implementing SDGs • governance and policy tools • openness, participation and accountability, • effectiveness and coherence; • India's framework for sustainable development Chapter 9: Other Issues • Social business, CSOs, and operations • Development Assistance • Cross-Border Cooperation Practicum: Group Discussion on case studies on sustainable practices and processes	8 5 4
Suggested Readings: • Baumol, W.J. and W.E. Oates (1988): <i>The Theory of Environmental Policy</i> (2e), CUP, Cambridge. • Bhattacharya, R.N. (Ed): <i>Environmental Economics: An Indian Perspective</i>, OUP, New Delhi. • Dalby, Simon, et al. <i>Achieving the Sustainable Development Goals: Global Governance Challenges</i>. Routledge, 2019. • Day, G.S., and P.J.H. Schoemaker (2011), <i>Innovating in uncertain markets: 10 lessons for green technologies</i>, MIT Sloan Management Review, 52.4: 37-45. • Elliott, Jennifer. <i>An introduction to sustainable development</i>. Routledge, 2012. • Gagnon, B., Leduc, R., and Savard, L., <i>Sustainable development in engineering: a review of principles and definition of a conceptual framework</i>. Working Paper 08-18, 2008. • Hanley, Shogren and White (1997): <i>Environmental Economics in Theory and Practice</i>, Macmillan. • Kolstad, C.D. (1999): <i>Environmental Economics</i>, OUP, ND. • Pearce, D.W. and R. Turner (1991): <i>Economics of Natural Resource Use and Environment</i>, John Hopkins Press, Baltimore. • Sachs, Jeffrey D. <i>The age of sustainable development</i>. Columbia University Press, 2015 • Tietenberg, T. (1994): <i>Environmental Economics and Policy</i>, Harper Collins, NY.		

SEMESTER - III

Program Name	BA in Economics	Semester	Third Semester
Course Title	Microeconomics		
Course Code:	DSC-3.1	No. of Credits	3
Contact hours	42 Hours	Duration of SEA/Exam	2 hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to:CO1. Understand introductory economic concepts. CO2. Recognize basic supply and demand analysis. CO3. Recognize the structure and the role of costs in the economy. CO4. Describe, using graphs, the various market models: perfect competition, monopoly, monopolistic competition, and oligopoly. CO5. Explain how equilibrium is achieved in the various market models. CO6. Identify problem areas in the economy, and possible solutions, using the analytical tools developed in the course.	
Contents	42 Hrs
Unit–1: Basics of Microeconomics	
Chapter:1 Exploring Microeconomics: Nature and scope of economics – opportunity cost, scarcity, production possibility frontier - Market system as a way to organise economic activities, welfare state	3
Chapter:2 Supply and Demand: Determinants of demand and supply; demand and supply schedules and; individual and market demand and supply; shifts in the demand and supply curves; Interaction of demand and supply; Equilibrium price and quantity	3
Practicum: ➤ Reading and working with graphs ➤ Estimation of elasticity and discussing its applications; solving problems to estimate the equilibrium price and quantity	

Unit -2: Consumption Decisions	
Chapter 3 The Households: Diminishing Marginal Utility; Indifference curves – Meaning and Properties; budget constraint; Satisfaction Maximization; income and substitution effects; choice between leisure and consumption.	5
Practicum: Conducting a consumer survey to understand their tastes and preferences	
Unit -3: Production and Costs	
Chapter 4: The Firms: Concept of firm and Industry; Production Function; Law of Variable Proportions; isoquant and isocost lines, cost minimizing equilibrium condition; Returns to Scale; Features of Cobb-Douglas Production Function	5
Chapter 5: Cost of Production: Short run and long run costs; Returns to Scale.	3
Practicum: ➤ Analysing reasons for diminishing marginal returns ➤ Examining the relationship between cost and output/ Deriving cost functions from output functions	
Unit -4: Pricing	
Chapter 6: The Markets: Meaning of Market Structure and Types; Pricing under perfect competition; Monopoly pricing and price discrimination; Monopolistic Competition – Features and Pricing; Oligopoly – Interdependence, Collusive and non-collusive oligopoly; Elements of Game theory	7
Chapter 7: The Inputs (Factors): Functional and Personal Income; Demand for and supply of factors; Marginal Productivity Theory of Distribution; Meaning and determinants of Rent, Wages, Interest and Profits	6
Practicum: ➤ Conducting Market Survey to identify the nature and features of markets for different goods/services ➤ Understanding distribution of national income as factor incomes	
Chapter 8: Welfare Economics: Meaning of Welfare; Pigou's Welfare Economics; Compensation principle; Impediments to attain Maximum Social Welfare; Externalities, Market Failure	6
Practicum: Examining day to day externalities and proposing solutions to them	
Unit -5: Economics in Action	

Chapter 9: Economic Theory and Policy: Pricing Practices; Basics of Monetary and Fiscal Policies; Controls and Regulations; Incentives and Penalties; Labour policies	4
Practicum: Analysis of latest budget of the Central Government; Review of terminology used in the latest Monetary Policy of the RBI	
References	
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Mankiw, N. Gregory (2020). <i>Principles of Economics</i> (Ninth ed.). Boston, MA.	
Jhingan, M.L. (2016): <i>Microeconomics</i> , Vrinda Publications, New Delhi	
Koutsoyianis, A (1979): <i>Modern Microeconomics</i> , London, Macmillan	
Omkarnath, G. (2012: <i>Economics: A Primer for India</i> , Orient Blackswan, Hyderabad	
Samuelson, Paul (2004): <i>Economics</i> , McGraw-Hill, New Delhi	
Krishnaiahgouda H.R. (2020): ಸಂಸ್ಥೆಯ ಅರಣ್ಯಶಾಸ್ತ್ರ † Sapna Book House, Bengaluru	
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Somashekhar Ne. Thi., ಸಂಸ್ಥೆಯ ಅರಣ್ಯಶಾಸ್ತ್ರ †, Sidhlingeshwara Prakashana, Kalburgi.	

SEMESTER - III

Program Name	BA in Economics	Semester	Third Semester
Course Title	Mathematics for Economics		
Course Code:	DSC-3.2	No. of Credits	3
Contact hours	42 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to: CO1. Perform basic operations in Sets and functions and Matrix algebra. CO2. Calculate limits, derivatives of Economic functions and identify the nature of relationship. CO3. Calculate maxima and minima of function	
Contents	42 Hrs
Unit-1: Preliminaries	12 Hrs
Chapter:1 - Introduction to Mathematical Economics: Nature and scope of mathematical economics- Role of mathematics in economic theory	4
Chapter:2 - Number system and Set theory: Types of Numbers: Natural Number, Real number, integers, Irrational Number, Complex Number. Concepts of sets- meaning –types- union of sets – interaction of sets.	4
Chapter:3 - Functions: Meaning of function- Types of functions: Linear and Non-linear Functions; Quadratic, Polynomial, Logarithmic and Exponential functions-	4
Unit -2: Economic Functions, their Application and Matrices	14 Hrs
Chapter 4 Economic Functions: Demand Function, Supply function, Production function, Cost, Revenue and Profit function, Consumption function	4
Chapter 5 Economic Functions Graph of Economic Functions, Market equilibrium; Equilibrium price and Quantity, Impact of specific tax and subsidy on market equilibrium	5
Chapter-6: Matrices: Definition and Types of Matrices- Matrix Operations: Addition, Subtraction and Multiplication, Transpose of a Matrix, Determinants of Matrix- Cramer's Rule	5

Unit -3: Differential Calculus and Its Applications	16 Hrs
Chapter 7- Limits: Limits of functions, differentiation, rules of differentiation.	4
Chapter 8 Derivatives of Economic functions: Derivation of Marginal functions from total function-Marginal Production, Marginal cost, Marginal Revenue, Marginal Profit.	6
Chapter 9 - Applications of Derivatives and Higher order derivatives: Elasticity of Demand- Second order derivatives- Maxima and Minima of Economic function.	6

References	
1	Chiang, A. C. and Wainwright, K., “Fundamental Methods of Mathematical Economics”, McGraw-Hill/Irwin, 4th Edition, 2005.
2	Sydsaeter, K and Hammond, P., Mathematics for Economic Analysis, Pearson Educational Asia, 4th Edition, 2002.
3	Allen R.G.D., (2015) Mathematical Analysis for Economists, Macmillan.
4	Bose D., (2003) An Introduction of Mathematical Economics, Himalaya Publishing House, Mumbai.
5	Dowling, E. T., “Introduction to Mathematical Economics”, McGraw-Hill, 2001.
6	Hoy, M., Livernois, J. McKenna, C, Rees, R. and Stengos, T., “Mathematics for Economics”, MIT Press, 3rd Edition, 2011
7	Sydsaeter, K and Hammond, P., Mathematics for Economic Analysis, Pearson Educational Asia, 4th Edition, 2002.

SEMESTER - III

Program Name	BA in Economics	Semester	Third Semester
Course Title	Rural Economics		
Course Code:	OE-3.1	No. of Credits	3
Contact hours	42 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to: CO1. To Understand the basics of rural development, CO2. To study the characteristics, problems, and programmes of rural redevelopment CO3. To study the trends and patterns of economic activities in rural areas CO4. To study the role of infrastructural facilities and governance in rural development CO5. To enable the students to know about significance of rural enterprises and agricultural allied activities.	
Contents	42 Hrs
Unit-1:	12 Hrs
Chapter:1 - Introduction to Rural Economy Meaning and Objectives of Rural economy Characteristics of Rural Economy Indicators of Rural Development Concepts of inclusive and sustainable development	5
Chapter:2 - Approaches to Rural Development Gandhian Model Community Development Approach, Minimum Needs Approach, Integrated Rural Development and Inclusive Growth Approach.	4

Chapter:3 - Poverty and Unemployment in Rural India Meaning and Measurement of Poverty Causes of Poverty Farm and Non-farm employment Measurement and Types employment Review of Poverty Alleviation and Employment Generation Programmes in India.	5
Practicum: • Field visit to nearby village and study the poverty situation • Field visit to village and study the employment pattern • Undertake evaluation study on employment generation programmes and prepare an assignment.	
Unit -2:	14 Hrs
Chapter 4- Rural Enterprises Meaning and Importance, Classification of MSME Progress and Problems of MSME Khadi and Village Industries	5
Chapter-5: Rural Banking and Finance Credit Co-operative Societies Regional Rural Banks Role of NABARD Microfinance Institutions	4
Chapter-6: Rural Infrastructure Educational and Health Infrastructure Housing and Sanitation Drinking Water Supply Rural Transport and Communication Rural Electrification	5
Practicum: • Write an assignment on Rural infrastructure • Write a small report on Rural Industry	
Unit -3:	14 Hrs

Chapter 7- Rural Development Programmes Wage Employment Programmes Self-employment and Entrepreneurship Development Programmes Rural Housing Programmes Rural Sanitation Programmes	4
Chapter 8 - Rural Markets Meaning and Types of Rural Markets Defects and Government Measures for Removal of Defects in rural markets Co-operative Marketing Societies Meaning and Importance of Regulated Markets Digital Marketing(e-NAM)	5
Chapter 9 - Rural Governance Legislations powers, Functions, and sources of revenue of Panchayat Raj Institutions Role of NGOs in rural development People's participation in rural development	5
Practicum: • Group Discussion on Rural Governance • Interview Gram Panchayat members and prepare brief note on their participation in rural development. • Undertake evaluation study on rural development programmes and prepare an assignment.	

References	
1	Chambers, R. (1983): Rural Development: Putting the Last First, Longman, Harlow.
2	Dandekar, V.M. and N. Rath (1971): Poverty in India, GIPE, Pune.
3	Dantwala, M. L. (1973): Poverty in India: Then and Now, 1870-1970, Macmillan, Bombay.
4	Gupta. K .R. (Ed) (2003): Rural Development in India, Atlantic Publishers and Distributors, New Delhi.
5	Jain, Gopal Lal (1997): Rural Development, Mangal Deep Publications, Jaipur,
6	Singh, Katar (1986): Rural Development: Principles, Policies and Management, Sage Publications, New Delhi, (Second Edition).
7	Karalay, G. N. (2005): Integrated Approach to Rural Development: Policies, Programmes and Strategies, Concept Publishing Company, New Delhi.
8	Maheshwari, S. R. (1985): Rural Development in India, Sage, Publications New Delhi.
9	Satya Sundaram, I. (1997): Rural Development, Himalaya Publishing House, Delhi.
10	Mehta, Shiv R. (1984): Rural Development Policies and Programmes, Sage Publications, New Delhi.
11	Tyagi, B. P. (1998): Agricultural Economics and Rural Development, Jai Prakash Math and Co., Meerut.
12	Somashekar Ne. Thi. (2022) ಗ್ರಾಮ ಮಣಿ ಅಭಿವೃದ್ಧಿ , Siddalingeshwara publication, Kalburgi.
13	H. R. Krishnaiah Gowda (2022) ಗ್ರಾಮ ಮಣಿ ಅಭಿವೃದ್ಧಿ , Mysore book house publication, Mysore.

SEMESTER – III

Program Name	BA in Economics	Semester	Third Semester
Course Title	Economics of Human Development		
Course Code:	OE-3.3	No. of Credits	3
Contact hours	42 Hours	Duration of SEA/Exam	2 hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

CO1. Differentiate between Human Resource Development (HRD), Human Development (HD) and HRM

CO2. Understand the concepts of Human security, describe dimensions of human development, and appreciate various practices and policies of human development, HDI and India.

Contents	42 Hrs
Unit–1: Introduction to Human Development	12 Hrs
Chapter 1: Human Growth and Human Development - Basic Needs Approach - Quality of Life Approach - Capability Approach Chapter 2: Human Resource Development (HRD), Human Resource Management (HRM). Chapter 3: Human Development: meaning and definition, importance, and objectives.	
Unit -2: Human Security, SDGs and Approaches to Human Development.	12Hrs
Chapter 4: Human Security: Economic security - Food security - Health security - Environmental security - Personal security - Community security - Political security. Chapter 5: Sustainable Development Goals (SDGs): Understanding the SDGs - Linkages between human development and the SDGs. Chapter 6: Indian Perspectives and Experience with Human Development: Approach to human development in national plans	
Unit -3: Dimensions and Measurement of Human Development	18 Hrs
Chapter 7: Dimensions of Human Development: Empowerment - meaning and usage, Cooperation - definition and brief introduction, Equity - concept and usage, Sustainability – meaning and importance, Participation - concept, different forms of participation, Human development & Productivity - factors determining productivity.	

Chapter 8: Measuring Human Development: Need for indices - limitations of per capita GDP as an indicator. Earlier indices (meaning): - Physical Quality of Life Index (PQLI), - Disability Adjusted Life Years (DALYs), - Social Capability Index. Human Development Index - HDI as compared to per capita GDP - Method of computing HDI - Critique of HDI. Other indices (meaning): Human Poverty Index (HPI)- Gender-related Development Index (GDI) - Gender Empowerment Measure (GEM).

Chapter 9: Selected Issues in Human Development: Impact of Globalisation on Human Development - Trade and Human Development. - Technology and Human Development

References	
1	Chelliah, Raja J. and R. Sudarshan (eds.), 1999, Income Poverty and Beyond: Human Development in India, UNDP, Social Science Press, New Delhi
2	Dev, S. Mahendra, Piush Antony, V. Gayathri, and R.P. Mamgain, 2001, Social and Economic Security in India, Institute for Human Development, New Delhi
3	Government of India, National Human Development Report 2002, Planning Commission, New Delhi
4	Jaya Gopaki, R: Human Resource Development: Conceptual analysis and Strategies, Sterling Publishing Pvt. Ltd., New Delhi
5	Naresh Gupta (2019), Human Development in India Emerald Publishers.
6	Nadler, Leonard (2004). Corporate Human Resource Development, Van Nostrand Reinhold, ASTD, New York
7	Padmanabhan Nair(2007) Human Development Index: An Introduction (Economy Series), ICAFI UNIVERSITY PRESS

SEMESTER – IV

Program Name	BA in Economics	Semester	Fourth Semester
Course Title	Macroeconomics		
Course Code:	DSC-4.1	No. of Credits	3
Contact hours	42 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to: CO1. Understand the Theories of National Income Accounting CO2. Explain the process of Consumption and Investment Functions CO3. Evaluate the Concept of Multiplier and Inflation	
Content of Theory	42 Hrs
Unit–1: Theory of National Income Determination	14 Hrs
Chapter:1 Classical Framework: 1. Typical Features of classical theory of employment; Assumptions 2. Basis of Classical theory: ➤ Say’s Law ➤ Pigou’s wage price flexibility ➤ Fisher’s Quantity theory of money ➤ Knut Wicksell’s loanable funds theory ➤ Classical dichotomy and neutrality of money 3. Criticism of classical theory	7
Chapter-2: The Keynesian Framework 1. Introductory: connecting growth of national income to development; why incomes of all fall or rise? Are income, output, and employment related? 2. Some Basic concepts: The idea of equilibrium and identity; ex- ante and ex-post concepts. 3. Aggregate Demand and its components a. Consumption function: Algebraic and Graphical explanation; Marginal and Average propensity to consume	7

b. Investment function; savings and investment relationship. 4. Aggregate Supply: Meaning and graphical explanation; Effective demand 5. Determination of national income in Keynes' two sector economy with Aggregate Demand and Aggregate Supply with fixed prices: Analytical /Graphical and algebraic explanation; numerical problems 6. Determination of national income in Keynes' two sector economy with investment and savings with fixed prices: Analytical / Graphical and algebraic explanation; numerical problems
Unit -2: Aggregate Consumption and Investment
Chapter-3: Theories of Determinants of Consumption: 1. Keynesian Psychological Law of consumption; determinants 2. Permanent Income hypothesis of Milton Friedman
Chapter-4: Investment: 1. Types of investment 2. Determinants of investment: a. rate of interest b. marginal efficiency of capital: meaning and determinants;
Chapter-5: Concepts of Multiplier and Accelerator 1. Investment Multiplier: Meaning and assumptions. 2. multiplier; leakages;
Unit -3: Monetary Economics
Chapter-6: Money Supply: 1. Concept of Money Supply; recent measures of money supply as suggested by RBI 2. Determinants of money supply: a. high powered money b. money multiplier 3. The reserve ratio and deposit multiplier
Chapter-7: Money demand: 1. Cash transactions approach (only meaning) and 2. Cambridge approach (Only Marshall's equation) 3. The liquidity preference approach of Keynes

Chapter-8: Inflation and Unemployment:

1. Phillips Curve

Wage cut theory and employment

References	
1	Ackley, G. (1976), Macroeconomics: Theory and Policy, Macmillan Publishing Company, New York.
2	Ahuja H (2016), Macro Economics- theory and policy, S Chand and Co
3	Dwivedi DN (2016) Macro Economics: Theory and Policy, Tata McGraw-Hill
4	Heijdra, B.J. and F.V. Ploeg (2001), Foundations of Modern macroeconomics, Oxford University Press, Oxford.
5	Keynes, J.M. (1936), The General theory of Employment, Interest and Money, Macmillan, London.
6	Lucas, R. (1981), Studies in Business Cycle Theory, MIT Press, Cambridge, Massachusetts
7	Somashekar Ne. Thi., Principles of Macroeconomics, Scientific International Pvt. Ltd., Publications New Delhi
8	Somashekar Ne. Thi., ಸ್ವಮಗ್ನ ಅರಣ್ಯಶಾಸ್ತ್ರ, Siddalingeshwara prakashana, Kalburgi.
9	H. R. Krishnaiah Gowda ಸ್ವಮಗ್ನ ಅರಣ್ಯಶಾಸ್ತ್ರ, Mysore book house prakashna, Mysore.

SEMESTER - IV

Program Name	BA in Economics	Semester	Fourth Semester
Course Title	Statistics for Economics		
Course Code:	DSC-4.2	No. of Credits	3
Contact hours	42 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to: CO1. Understand the nature of Data and their presentation CO2. Calculate Descriptive statistics like measures of central tendency and dispersion CO3. Apply statistical techniques like correlation and regression in Economic analysis	
Content of Theory	42 Hrs
Unit-1: Preliminaries	12 Hrs
Chapter:1 Introduction to Statistics: Meaning and Importance of Statistics, Functions of Statistics, Types of Statistics: Descriptive Statistics and Inferential Statistics-Variables; Qualitative Variable and Quantitative Variable	4
Chapter-2: Datatypes, Sources and Collection of Data: Qualitative and Quantitative Data - Cross Section Data, Time Series Data and Panel Data - Primary and Secondary sources of Data – Methods of Collecting Primary Data	4
Chapter-3: Tabulation and Presentation of Data: Classification and tabulation of data - Frequency distributions – Continuous and Discrete frequency distribution. Graphical presentation- Histogram- frequency polygon - Ogive Curves -Bar Diagram, Pie Chart	4
Unit -2: Measures of Central Tendency and Dispersion	14 Hrs
Chapter-4: Arithmetic Average: Definition of Central Tendency, Types of Central Tendency: Arithmetic Mean: Meaning and Properties of Arithmetic Mean – Computation of Arithmetic Mean	5
Chapter-5: Positional Averages-Median and Mode: Definition and importance of Median- Calculation of Median- Definition and importance of Mode - Calculation of Mode.	4

Chapter-6: Dispersion: Meaning of Dispersion- Measures of Dispersion- Range- Quartile deviation- mean deviation - Standard deviation - Coefficient of Variation and Their Computation	5
Unit -3: Correlation, Regression and Time Series Analysis	16 Hrs
Chapter-7: Correlation: Meaning of Correlation - Types of correlation - Methods of measuring Correlation- Karl Pearson's correlation coefficients	5
Chapter-8: Regression: Meaning and Importance of Regression - Regression Equation - Estimation of regression equation - Applications of regression equation in Economics	6
Chapter-9: Time Series Analysis: Definition of Time Series – Components of Time Series – Estimation and Forecasting of Trend	5

References	
1	Gupta S P. (2012) Statistical Methods, S. Chand and Company, New Delhi.
2	S. C. Gupta, (New edition) Fundamentals of Statistics, Himalaya publishing house, Mumbai.
3	S. N. Yogish, Statistical methods for Economists- Mangaldeep publications, Jaipur.
4	Anderson, Sweeney & Williams, (2002) Statistics for Business & Economics, Thomson South-Western, Bangalore.
5	Daniel and Terrel: Business Statistics for Management and Economics; oaghton Mifflin Co., Boston, Toronts, 7th Edition, 1995, PP 1 to 972 + 6 Appendices
6	Medhi, J., Statistical Methods: An Introductory Text, Wiley, 1992
7	Morris H. Degroot and Mark J. Schervish, "Probability and Statistics", 4th edition, 2012.
8	Teresa Bradley, Essential Statistics for Economics, Business and Management, John Willey Publisher, 2007

SEMESTER - IV

Program Name	BA in Economics	Semester	Fourth Semester
Course Title	Karnataka Economy		
Course Code:	OE 4.1	No. of Credits	3
Contact hours	42 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

CO1. Understand the nature of economic growth and problems of Karnataka state.

CO2. Explain the process of structural growth in Karnataka Economy

CO3. Evaluate the policies and programmes undertaken by the Govt. of Karnataka for bringing about socio-economic development

Contents	42 Hrs
Unit-1: Karnataka Economy – An overview	12 Hrs
Chapter:1 Characteristics of Karnataka Economy ○ Features of Karnataka Economy ○ Trends and sectoral distribution of State Domestic Product and Per Capita Income ○ Measures to redress regional imbalances – Dr. Nanjundappa Committee Report, Article 371J	5
Chapter-2: Human Resources ○ Human Resources: importance, Size and Health indicators ○ Human Development Index ○ Poverty and Unemployment– Eradication Programmes	4
Chapter-3: Natural Resources Management ○ Natural Resources: Importance and volume of different natural resources ○ Karnataka Environmental Policy	3
Practicum: conduct field visit to Forest/Reservoir/Mining and prepare the report	
Unit -2: Agriculture, Rural development, and Industries in Karnataka	18 Hrs
Chapter-4: Agriculture ○ Problems in Agriculture ○ Land Reforms	7
○ Cropping Pattern ○ Irrigation: importance, important irrigation projects and watershed development projects.	

○ Farmers Suicide – Causes and Solutions	
Chapter-5: Rural Development ○ Public Distribution System ○ Rural Development Programmes (brief) ○ Government Schemes for Rural Women	4
Chapter-6: Industries in Karnataka ○ Major Industries in Karnataka - Problems and Prospects ○ MSMEs - Problems and Measures ○ IT Industries in Karnataka ○ Industrial Finance in Karnataka ○ Industrial Policy of Karnataka	7
Practicum: visit to industrial units in local area and prepare the report/Trace-out the impact of Prof. D. M. Nanjundappa Committee report	
Unit -3: Infrastructure and Finance in Karnataka	12 Hrs
Chapter-7: Economic Infrastructure ○ Transportation: Road, Rail, Water and Air Transport ○ Information and Communication Technology Facilities	3
Chapter-8: Social Infrastructure ○ Drinking Water ○ Housing and Sanitation ○ Health and Education ○ Rural Electrification	4
Chapter-9: State Finance ○ Sources of Revenue: Direct and Indirect Taxes ○ Impact of GST on Karnataka economy ○ State Expenditure ○ State Finance Commission ○ Current State Budget (Brief)	5
Practicum: Discussion on State budget	
References	
Government of Karnataka, Economic Survey [Various Issues]	
Planning Department, Annual Publication, Government of Karnataka.	
Karnataka at Glance, Annual Publication Government of Karnataka.	

Madaiah M & Ramapriya. Karnataka Economy Growth: Issues and Development, Himalaya Pub., House, NewDelhi.
Adul Aziz and K.G. Vasanti. (Eds) Karnataka Economy.
Government District Development Reports
Hanumantha Rao. Regional Disparities and Development in Karnataka.
Krishnaiah Gowda H.R. Karnataka Economy, Spandana Publications, Bangalore
Somashekar Ne. Thi., □□□□□□ □□□□□□□, Siddalingeshwara publications, Kalburgi.
Nanjundappa D.M. Some Aspects of Karnataka Economy.
Puttaswamiah K. Karnataka Economy, Two Volume

SEMESTER - IV

Program Name	BA in Economics	Semester	Fourth Semester
Course Title	Entrepreneurial Economics		
Course Code:	OE 4.2	No. of Credits	3
Contact hours	42 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to: CO1. Start own business as Entrepreneur CO2. Enabling the students to find career opportunities in business. CO3. To enable the students to gain knowledge and skills needed to run a business successfully.	
Contents	42 Hrs
Unit-1: Entrepreneur and Entrepreneurship	12 Hrs
Chapter 1: Entrepreneur and Entrepreneurship – Meaning, Definitions, Evolution, types- Characteristics, qualities, functions of entrepreneur- Distinction between entrepreneur and manager, Distinction between entrepreneur and intrapreneur, Chapter 2: Role and importance of Entrepreneurship in economic development: Role and importance- Factors influencing entrepreneurship’- Psychological, social, Economic and Environmental. Chapter 3: New generations of entrepreneurship viz. social, Health, Tourism and Women entrepreneurship; Barriers to entrepreneurship.	
Unit -2: Launching Entrepreneurial Ventures	18 Hrs
Chapter 4: Generation of ideas: Methods and process - sources of ideas - screening process- Assessing Opportunities-Challenges, pitfalls and critical factors of new venture; Chapter 5: Business Plan- New Ventures: Steps involved in setting up a Business – identifying, selecting a Good Business opportunity, Market Survey and Research, Techno-Economic Feasibility Assessment. Chapter 6: Role of Innovation & Creativity: Innovation- Meaning and importance of innovation; Types of innovation; Sources of innovation; Conditions for effective innovation at Organization level; Chapter 7: Creativity: Concept and process of creativity; role and importance of creativity and mental blocks to creativity; branding, trademarks, patents, copyrights, and registered design protection-Methods of protecting innovation and creativity.	

Unit -3: Business and Entrepreneurial development	12 Hrs
Chapter 8: Entrepreneur Assistance: Assistance to an entrepreneur-Industrial Park (Meaning, features, & examples)-Special Economic Zone (Meaning, features & examples)-Financial assistance by different agencies-License, Environmental Clearance, e-tender process, Excise exemptions and concession, Exemption from income tax -Quality Standards with special reference to ISO. Chapter 9: Business and Entrepreneurial development - Determining and acquiring required resources (Financial, Physical and Human): Search for entrepreneurial capital- Debt vs. Equity; Venture Capital Market; Angel Financing and Alternative sources of finance for Entrepreneurs. Entrepreneurship development programme (EDP) in India– Objectives, Phases, and inputs of EDP; - Government initiatives for entrepreneurship – Make in India, Start-up India, MUDRA etc.	

References	
1	Donald F Kuratko, “Entrepreneurship – Theory, Process and Practice”, 9 th Edition, Cengage Learning, 2014.
2	Khanka. S.S., “Entrepreneurial Development” S.Chand & Co. Ltd., Ram Nagar, New Delhi, 2013.
3	Kuratko and Rao, Entrepreneurship: A South Asian Perspective; Ferrell, Fraedrich, Farrell, Business Ethics, Cengage Learning
4	Entrepreneurship, R. Saibaba, Kalyani Publishers, New Delhi.
5	Entrepreneurship Development and Business Ethics, Sanjeet Sharma – V.K. Global Pvt. Ltd., New Delhi
6	SS Khanka, Entrepreneurial Development, S. Chand & Co, Delhi.



Government of Karnataka

Model Curriculum

Program Name	BA in Economics	Semester	Fifth Semester
Course Title	Public Economics		
Course Code:	ECO C9	No. of Credits	4
Contact hours	60 Hours	Duration of SEA/Exam	2 hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

CO1. Understand introductory Public Finance concepts.

CO2. Study the causes of market failure and corrective actions

CO3. Understand the impact, incidence and shifting of tax

CO4. Study the Economic Effects of tax on production, distribution and other effects

CO5. Enable the students to know the Principles and Effects of Public Expenditure

CO6. Understand the Economic and functional classification of the budget; Balanced and Unbalanced budget

CO7. Understand the Burden of Public debt and know the Classical/ Ricardian views, Keynesian and post-Keynesian views

CO8. To acquaint with the advantages and disadvantages of Deficit Financing,

MODULES	DESCRIPTION	60 Hours
Module I	Introduction to Public Economics	15
	Public Economics: Meaning, definitions, Scope and Significance, Public Finance and Private Finance: Meaning, and Distinction; Public good and private good: Meaning, Characteristics, and Distinction, Principle of Maximum Social Advantage, Market Failures: Meaning, causes-role of externalities; Market failure and role of government; Corrective actions.	
Practicum	Group Discussions on Public Finance and private finance; public good and private good Assignment on Market failure and government intervention	
Module II	Public Revenue and Public Expenditure	18

	Meaning and sources of revenue; Taxation –Cannons of taxation, Characteristics of a sound tax system, Impact, Incidence- Division of Tax burden, Shifting of tax, Economic Effects of tax on production, distribution and other effects, Progressive and Regressive, Proportional Tax, Direct and Indirect Taxes –Merits and Demerits, Taxable Capacity: Meaning and determinants. Public Expenditure; Meaning, classification, principles, Types & Cannons, Reasons for the growth of public expenditure, Wagner’s	
	law of increasing state activities, Peacock-Wiseman hypotheses, Effects of public expenditure: Production, Distribution & Other effects	
Practicum	Mini-project/study to ascertain the impact of GST on retailers/wholesalers in your vicinity A case study on the taxable capacity of the different sections of society in the vicinity Assignment on Effects of public expenditure: Production, Distribution & Other Effects	
Module III	Public Debt	12
	Public Debt: Meaning, Purpose, Types & Effects; Sources of Public Borrowing; Burden of Public Debt -Classical/ Ricardian views, Keynesian and post-Keynesian views; Intergenerational equity of public debt; Causes of the Rise in Public Debt; Methods of debt redemption; Debt management.	
Practicum	Studying the burden of public debt through a project/ case study Assignment on Debt Management	
Module IV	Public Budget, Fiscal Policy and Fiscal Deficit	15
	Budget: Meaning, process & Types of budget, Economic and functional classification of the budget; Balanced and unbalanced budget, Types of Budget Deficits; Fiscal Policy: Meaning, objectives & Tools; Fiscal deficit: Meaning, Computation, Deficit Financing: Meaning, Advantages and Disadvantages	
Practicum:	Calculation of various types of budget deficit using the budget data Group discussion on the advantages and disadvantages of deficit financing	

References	
1	Lekhi R.K., Joginder Singh (2018) Public Finance, Kalyani publication, New Delhi
2	Tyagi B.P. (2014) Public Finance published by Jaya Prakash Nath and CO, Meerut
3	Hindriks J. and G. Myles (2006): Intermediate Public Economics, MIT Press.
4	Bhatia H L (2018): Public Finance. Vikas Publishing House.
5	Musgrave, R.A. (1989), The Theory of Public Finance, McGraw Hill
6	Musgrave R.A. and P.B. Musgrave (1989), Public Finance in Theory and Practice, McGraw Hill,



Government of Karnataka

Model Curriculum

Program Name	BA in Economics	Semester	Fifth Semester
Course Title	Development Economics		
Course Code:	ECO C10	No. of Credits	4
Contact hours	60 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1. Understand the basic concepts and measurements of Development.
- CO2. Learn some classical and partial theories of Development economics and identify the difference.
- CO3. Identify the difference between Developed and Developing Countries.
- CO4. Analyse and tackle the Development issues effectively.

MODULES	DESCRIPTION	60 Hrs
Module 1	Introduction to Economic Development	14
	Concept - Definitions - Distinction between Economic Growth and Development - Indicators of Growth and Development, Measures of Economic Development: Gross National Product (GNP) - Physical Quality of Life Index (PQLI), Human Development Index (HDI), Happiness Index, Inequality and Poverty: Meaning, causes, indicators - Gini Coefficient Index, Human Poverty Index (HPI).	
Practicum:	Assignment on various indicators of growth and development Group discussions about the characteristic features of different countries and their development levels	
Module 2	General Theories of Economic Growth and Development	16
	Adam Smith's Theory, David Ricardo's Theory, T.R. Malthus' Theory, Karl Marx's Theory, Schumpeter's Theory and Rostow's Growth Theory - Harrod-Domar Model.	
Practicum:	Assignment on different theories and their relevance to developing Countries, Debate on present stage of India's growth and estimated stage it may reach by 2047	
Module 3	Partial Theories of Economic Development	16
	Lewis Labour Surplus Model - Rodan's Big Push Theory - Lieberstein's Critical Minimum Effort Approach - Balanced Vs. Unbalanced Growth, Factors in the Development Process Capital Accumulation - Capital-Output Ratio - Technology and Economic Development.	

Practicum:	Group Discussion on Balanced and unbalanced growth strategies in Developed and developing countries Assignment on the Factors in the Development Process Capital Accumulation	
Module 4	Sustainable Development	14
	Inclusive Development - Millennium Development Goals - Sustainable Development Goals, Targets and Achievements with reference to India.	
Practicum	Seminar on MDGs and SDGs and the challenges	

References	
1	Higgins Benjamin & W.W. Norton Economic Development New York & Company. Inc.
2	Mishra S.K and Puri V.K, Economic Development and Planning, Himalaya Pub., House, Mumbai.
3	Taneja M.L. and Meier G. M, Economics of Development and Planning, S. Chand and Co, New Delhi.
4	Thirlwall A.P. Growth and Development: With Special Reference to Developing Economies, Palgrave Macmillan, New York.
5	Todoaro. M.P & Orient Longman Economic Development in the Third World, United Kingdom
6	Sustainable Development Reports



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Model Curriculum

Program Name	BA in Economics	Semester	Fifth Semester
Course Title	Economics of Human Resource Management		
Course Code:	ECO C11	No. of Credits	4
Contact hours	60 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1. Understand the meaning, nature, scope and value of the contemporary approach to human resource management with reference to Economics.
- CO2. To describe an organisation of a human resource management functionary in an establishment, and to identify attributes of a successful personnel manager.
- CO3. To impart knowledge and techniques in human resource planning, Job-Analysis, and Job-Design.
- CO4. To explain various methods of recruitment, selection, induction and placement.
- CO5. To develop the importance and methods adopted for training and development of employees in two days environment in the workplace.

MODULES	DESCRIPTION	60 Hours
Module I	Introduction to Human Resource Management	15 hrs
	Human Resource Management: Concept, Nature, scope, objectives, importance, functions of Human Resource Management with reference to Economics; Organization of personnel department, Qualities of Personnel Manager, role of Personnel Manager, Status of Personnel Manager; Characteristics of a Human Resource Manager, HRD - Responsibility of managers.	
Practicum	Group Discussions on Human Resource Management as a Profession. Assignment on Qualities of Personnel Manager	
Module II	Procurement of Human Resources	15 hrs
	Human Resource Planning – Concept and objectives, importance, process, problems and guidelines; Job Design and Analysis: Concept, process, job description and job specification; Recruitment and Selection Meaning and process of recruitment, recruitment policy and organization, sources and techniques of recruitment, meaning and process of selection.	
Practicum	Assignment on recruitment and selection Group discussion on Techniques of Recruitment	
Module III	Training and Job Evaluation	15 hrs

	Training: Concept, objectives, importance; identifying training needs. Designing training programmes, methods of training, evaluating training effectiveness, retraining Concept, process and objectives of job evaluation, advantages and limitations, essentials of successful job evaluation, methods of job evaluation, Wage and Salary Administration. Objectives and principles, essentials of sound wage structure, factors affecting wages, methods of wage payment, and wage policy in India, executive compensation.	
Practicum	Project on training and job evaluation	
Module IV	Performance Appraisal	15 hrs
	Performance appraisal: Concept, objectives, uses, process, problems, essentials, methods and techniques, appraisal, interview, Transfers, promotions and separations. Purpose of job changes, concept and objectives of transfers. Types of transfer, transfer policy, concept and basis of promotion, promotion policy, demotion, types of separations.	
Practicum	Seminar on transfers and promotions Group discussion on Performance appraisal	

References	
1	Koontz, Weirich & Aryasri, (2004) Principles of Management , Tata McGraw-Hill, New Delhi,
2	Tripathi & Reddy, (2008) Principles of Management , Tata McGraw-Hill, New Delhi, Laurie
3	Meenakshi Gupta, (2009) Principles of Management , PHI Learning, New Delhi,
4	Gupta (2016), Human resource Management . S Chand Publisher. New Delhi
5	Aswathappa K. (2020) Human resource Management , Tata Mc Graw Hill Publishing Co. Ltd.
6	Prasad L. M, (2017) Organisational Behaviour , S. Chand Publishers, New Delhi.



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Model Curriculum

Program Name	BA in Economics	Semester	Fifth Semester
Course Title	Indian Banking and Finance		
Course Code:	ECO C12	No. of Credits	4
Contact hours	60 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1. Understand the structure of Indian banking and the role of banks in monetary policy.
- CO2. Analyze the functioning of banks and different types of accounts and other services offered by banks.
- CO3. Evaluate recent developments in the Indian banking sector, including digital banking, payment banks, and non-performing assets.
- CO4. Describe the overview of the Indian financial system, including financial markets, financial instruments, and financial regulation.
- CO5. Analyze the challenges faced by Indian banks and the implications of banking reforms for the Indian economy.
- CO6. Develop critical thinking and analytical skills in evaluating various financial products and services banks and capital markets offer.

MODULES	DESCRIPTION	60 Hours
Module I	Introduction to banking: India	15
	Indian Banks: Evolution, structure, functions, types and features- Public sector, private sector, foreign, Cooperative, RRB, Small finance banks, payment banks; Role and importance of banks in the Indian economy; Credit creation and financial intermediation; Central Bank and banking regulation; Regulatory and supervisory powers; Monetary policy and banking channel of credit control; Policy rates and banking; repo, reverse repo, MCLR, Bank rate, CRR, SLR, MSF; Issues in banking sector; NPA crisis; impact of global events on Indian banks.	
Practicum	Compare and contrast the different types of banks, highlighting their strengths and weaknesses- Presentation. Conduct a class discussion and compare and contrast the different scenarios on various loans, highlighting the risks involved and the measures taken by banks to manage these risks.	
Module II	Banking services	15

	Banking services: Bank deposits; Types and features of bank accounts; account opening and importance of KYC; Bank loans; types, features, documents required; eligibility, interest rates, maturity, loan default and consequences; Other services: Locker facility, payment and remittance services and channels; currency exchange; debit cards, credit cards, pre-paid cards; ATMs; internet and mobile banking; Modern banking products: Insurance on deposits and loans, Investment services in capital market- stocks, bonds and mutual funds; advisory services; retirement products.	
Practicum	Group discussion on bank accounts and loan products and making recommendation to different classes Comparison of banking services by visiting bank branches	
Module III	Modern Banking	15
	Modern banking facilities; Digital banking; Digital Wallets; Digital account opening; Biometrics; contact less payment system; instant payments; personal finance management tools; Use of artificial intelligence and machine learning in banks; Cyber security in banking; Credit scoring; Direct lending; Corporate banking; Investment Banking	
Practicum:	Survey bank customers to understand their usage and satisfaction levels with digital banking services. Analyze the adoption rates of digital banking services across different age groups and demographic segments	
Module IV	Financial Market	15
	Introduction to Indian financial markets; Equity markets and stock exchanges; Debt markets and bond markets; Currency markets and forex trading; Commodity markets and trading; Derivatives markets; Mutual funds; Insurance products Investing in capital market products- access, channels; risk in capital market investments; Role of SEBI, Fintech and innovation in capital markets;	
Practicum	Debate: Investing in capital market products. Assignment on Indian financial markets	

References	
1	Khan, M. Y. (2019). Indian Financial System (11th ed.). McGraw Hill Education (India) Private Limited.
2	RBI (2022) report on the trend and Progress of Banking in India
3	Pathak, B. V. (2018). Indian financial system. Pearson Education
4	Principles and Practices of Banking (2023), Indian Institute of Banking & Finance (IIBF), MacMillian
5	Shekhar, K. C. & Shekhar, L. (2013). Banking Theory and Practice, 21st Edition
6	Taxman's Digital Banking, Indian Institute of Banking & Finance (IIBF), Bharati Law House
7	Reserve Bank of India. (2017). Basic Financial Literacy Guide.

	https://www.rbi.org.in/Scripts/BS_FlgGuidelines.aspx
8	Securities and Exchange Board of India. (2021). Handbook of Statistics on Indian Securities Market. https://www.sebi.gov.in/reports-and-statistics/publications/dec-2022/handbook-of-statistics-2021_66158.html
9	Financial Education Handbook (2021) National Centre for Financial Education (NCFE) https://www.ncfe.org.in/resources/downloads
10	Investor Education material by National Stock Exchange (https://www.nseindia.com/invest/how-to-invest-in-capital-market)



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Model Curriculum

Program Name	BA in Economics	Semester	Fifth Semester
Course Title	Economics of GST		
Course Code:	ECO E1A	No. of Credits	3
Contact hours	45 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1. Understand the indirect tax structure in India and challenges
- CO2. Develop an informed view on the rationale of choosing Goods and Services Tax.
- CO3. Understand the GST laws, tax slabs, GST council and the framework of implementation
- CO4. Demonstrate ability to explain time of supply, place of supply and value of supply
- CO5. Analyze the concept of input tax credit and valuation of supply with examples
- CO6. Explain the GST registration process and GST filing procedure

MODULES	DESCRIPTION	45 Hours
Module I	Indirect Taxes and GST	15
	Indirect taxation before GST- Introduction to Indirect Taxes: Meaning and Features, Types of Indirect Taxes in India: Excise Duty, VAT, Service Tax, etc., VAT types and methods, Drawbacks of the existing Indirect Tax System; Introduction to Goods and Services Tax, Rationale and Key Features for GST, Experience from uniform tax structure in other countries, Advantages and disadvantages of GST framework	
Practicum:	Discussions on the limitation of tax structure before introduction of GST. Assignments on GST tax collection since introduction at state-level Explain the differences between the old tax system and GST, and how the GST system has impacted the economy of India.	
Module II	Fundamentals of GST	15
	Structure of GST in India- Central GST, State GST, UTGST; Integrated GST, Subsuming of Taxes, GST Rate Structure in India; Levy and Collection of GST, Discussion on definition of goods, service, supply: Supply under GST and types of supply: taxable, exempt, zero-rated, and non-taxable, Time of supply, place of supply and valuation of supply: transaction value, open market value, and other methods, Input tax credit with illustration.	
Practicum:	Identify the different types of supply and the valuation methods used under GST for a specific product. Assignment on computing the value of supply or input tax credit for a given scenario and explain how the time and place of supply affect the tax liabilities under GST	

Module III	GST Compliance	15
	GST framework- GST Registration: eligibility, procedure, and threshold limits, exemptions, GST Returns: types, due dates, and penalties, GST Payment; GST Audit; GST Refund: eligibility, procedure, and time limits, GST Council- Structure, objectives, functions, decisions, GST Network; GST & Indian Economy- Compensation to states- Trends of GST collection in India- national level and state level- Challenges and compliance, impact of GST on Economic growth.	
Practicum	Demonstrate GST registration process for different types of business or GST returns filing procedure Assignment of trends and progress in GST collection in India	

References	
1	Mehrotra, H.C. & Agarwal V. P, (2022), Goods and Services Tax, Shaitya Bhawan Publications
2	Balachandran, V. (2023), Textbook of GST & Customs Law, Sultan Chand & Sons
3	Datey V. (2023). Taxmann's GST Ready Reckoner (2020), Taxmann Publications Pvt. Ltd.
4	Singhania, V.K; Students Guide to GST & Customers Law, Taxmann Publication (P) Ltd
5	Agrawal, R. K. (2023). Bharat's Handbook on G.S.T. (Goods & Service Tax) for May 2023 Exam. Mumbai, India: Bharati Law House.
6	Ahuja, G., & Gupta, R. (2019). Systematic Approach to Income Tax. New Delhi, India: Wolters Kluwer India Pvt Ltd.
7	Central GST Act (2017), Central Board of indirect Taxes and Customs
8	Integrated GST Act (2017), Central Board of indirect taxes and Customs
9	Union Territory GST Act (2017), Central Board of indirect taxes and Customs
10	GST (Compensation to States Act), 2017



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Model Curriculum

Program Name	BA in Economics	Semester	Fifth Semester
Course Title	Economics of Insurance		
Course Code:	ECO E1B	No. of Credits	3
Contact hours	45 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1. Gain knowledge on economics of insurance
- CO2 Understand the Insurance Planning
- CO3. Understand the essential and fundamentals of Life and Health Insurance

MODULES	DESCRIPTION	45 Hrs
Module I	Introduction to Economics of Insurance	15
	Definition of insurance, Scope of economic of insurance, Importance of insurance, Brief history of insurance, Perils and risks in insurance, Classification of risks hazards; How insurance works, Classes of insurance and assumptions, Risk pooling and risk transfer in insurance, Social vs. private insurance, Life vs. non-life insurance	
Practicum:	Identify how insurance works and analyse risk pooling and risk transfer in insurance Assignment on importance of insurance and risks in insurance	
Module II	Insurance Planning	15
	Types of Insurance Planning- Wealth accumulation plan lifecycle planning, Planning for wealth accumulation, Tax advantage and tax non-advantage; Retirement Planning - Essential of individual retirement planning, Investing pension plan, basic principles of pension plans, Pension plans in India; General Insurance Structure - General Insurance, concept of General Insurance, Types of General Insurance, Marine Insurance, Motors Insurance, Agricultural Insurance, Fire Insurance, Personal Accident Insurance.	
Practicum:	Compare and contrast the different types of Insurance Planning, highlighting their strengths and weaknesses. Assignment on types of general Insurance	
Module III	Personal insurance / Health Insurance	15
	Essential of Life and Health Insurance- Fundamentals of Life and Health Insurance, functions of Life and Health Insurance, Health Insurance and Economic Development, Insurance and Farmer Security; Insurance Documentation - Health Insurance products, Health Insurance underwriting, Health Insurance claims ; Insurance Legislation - The insurance act, 1938- Registration- Accounts and	

	Returns, Investments, Limitation on expense of Management, Regulation of Insurance, Insurance regulation in India, role and need of regulation, history of insurance regulation in India, Insurance Reforms Development Authority (IRDA), performance of IRDA, Indian Insurance in global platform, future potential in Indian Insurance Business.	
Practicum	Conduct a survey to know the knowledge about life and health insurance in the neighborhood Assignment on performance of IRDA	

References	
1	Chambers, R. (1983): Rural Development: Putting the Last First, Longman, Harlow.
2	Dandekar, V.M. and N. Rath (1971): Poverty in India, GIPE, Pune
3	Dantwala, M. L. (1973): Poverty in India: Then and Now, 1870-1970, Macmillan, Bombay.
4	Gupta. K .R. (Ed) (2003): Rural Development in India, Atlantic Publishers and Distributors, New Delhi.
5	Jain, Gopal Lal (1997): Rural Development, Mangal Deep Publications, Jaipur,
6	Singh, Katar (1986): Rural Development: Principles, Policies and Management, Sage Publications, New Delhi, (Second Edition).
7	Karalay, G. N. (2005): Integrated Approach to Rural Development: Policies, Programmes and Strategies, Concept Publishing Company, New Delhi.
8	Maheshwari, S. R. (1985): Rural Development in India, Sage, Publications New Delhi
9	Satya Sundaram, I. (1997): Rural Development, Himalaya Publishing House, Delhi.
10	Mehta, Shiv R. (1984): Rural Development Policies and Programmes, Sage Publications, New Delhi.
11	Tyagi, B. P. (1998): Agricultural Economics and Rural Development, Jai Prakash Math and Co., Meerut



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Model Curriculum

Program Name	BA in Economics	Semester	Fifth Semester
Course Title	Rural Economics		
Course Code:	ECO E1C	No. of Credits	3
Contact hours	45 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1. Understand the meaning, concepts, objectives, nature, feature and scope of Rural Economics
- CO2. Know the various indicators and their Measurement of Rural development.
- CO3. Understand the policies and strategies of rural development.
- CO4. Understand the rural Natural Resources, Rural income and Rural poverty and indebtedness

Modules	DESCRIPTION	45 Hours
Module I	Introduction to Rural Economy	15
	Rural Economics- Definition, Meaning, Objectives, Nature and Scope; Need, Causes and consequences of the Rural Economy; Pattern, Characteristics and Importance of Rural Economy	
Practicum	Assignment on Characteristics and importance of Rural Economy Survey to know the characteristics of rural economy in the neighborhood	
Module II	Measurement, Policies and Strategies of Rural Development	15
	Introduction to measurement of Rural Development – Objectives of measurement of rural development Indicators of Measurement of Rural development: Poverty, GNP per capita, distribution of Income, Per capita rural expenditure, PQLI, Income inequality; Importance and Need for Rural Development Policies - Freedom, Control and Public Policy - Goals of Rural Development Policy - Hierarchy of Policy Goals - Rural Development Policies. Strategies of Rural Development: Growth Welfare, Responsive Oriented and Integrated or Holistic Strategy - Liberalization and Rural Development	
Practicum	Undertake evaluation study on rural development programmes and prepare an assignment. Field visit to nearby village and study the employment opportunities and present situation	
Module III	Rural Resources Rural Income, Poverty and Indebtedness	15
	Natural Resources: Land, Water, Mineral and Forest Resources. Utilization and Potential: Capital and Human Resources - Levels of Technology; Rural Income: Sources of Household Income - Contributions of Agriculture and Allied Activities to National Income - Animal Husbandry - Income Differences between Rural and Urban Sectors - Problems of Rising Rural Incomes. Rural Poverty: Causes and Consequences - Rural Credit:	

	Magnitude of Rural Credit - Multi-Agency Approach to Rural Credit. Rural Indebtedness: Extent of Rural Indebtedness - Nature of Indebtedness - Causes of Rural Indebtedness - Effects of Indebtedness – Government Measures	
Practicum	Debate on Problems of Rising Rural Income Assignment on Causes and consequences of Rural Poverty	

References	
1	Agarwal A N and Singh S P, The Economics of Under Development, OUP, New Delhi.
2	Dalip S Thakur, Poverty, Inequality and Unemployment in Rural India, B R Pub., Corporation, New Delhi.
3	Ekans Richard S and K S Parikh, Planning and Growth: Multi-sectoral, Inter-temporal Models Applied to India, The MIT Press, Massachusetts.
4	Higgins Benjamin, Economic Development: Principles, Problems and Policies, Central Book Depot, Allahabad.
5	Jain Gopal Lal, Rural Development, Mangal Deep Publications, Jaipur
6	Katar Singh, Rural Development: Principles, Policies and Management, Sage Publications, New Delhi.
7	Parthasarathy G – Economic Reforms and Rural Development
8	Satya Sundaram I, Rural Development, Himalaya Publishing House, New Delhi.



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Model Curriculum

Program Name	BA in Economics	Semester	Fifth Semester
Course Title	Economics of Marketing		
Course Code:	ECO E1D	No. of Credits	3
Contact hours	45 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1. To understand the basics concepts of marketing and asses the marketing environment.
- CO2. Analyze the issues in rural markets.
- CO3. To study rural consumers behaviors.
- CO4. Outline the recent development in the field of marketing.

Modules	DESCRIPTION	45 Hours
Module I	Introduction of Marketing	15
	Marketing: Definition, Meaning, Nature & Scope, Objectives, Importance, Marketing & Selling, Concept and Importance of Market Segmentation, Role of Marketing in Economic Development, Modern Marketing.	
Practicum	Seminar on the Role of Marketing in Economic Development Assignment on Modern Marketing	
Module II	Consumer Behavior and Rural Marketing	15
	Consumer Behavior: Nature, Importance, buying Decision, Factors influencing consumer buying behaviors. Rural Consumers Behavior: Nature, importance, Characteristics, Influencing Factors. Rural Marketing: Meaning, Definition, Nature & Scope, Features, Importance, Types. Problems and Remedies of Rural Market: Co-Operative Marketing Societies, Importance of Regulated Market	
Practicum	Survey consumers to Know the factors influencing their buying Behavior. Debate on best remedies to solve the problem of rural market.	
Module III	E-Marketing and Service Marketing	15
	E-Marketing: Meaning, Concept, Advantages & Disadvantages, Challenges. Types – Digital, Mobile Marketing, Online, social media - Meaning, Concept, Benefits, Importance, Challenges, Advantages & Disadvantages Service Marketing: Meaning, Concept, and Difference between the marketing of goods Vs Service Marketing, Importance, Problems.	
Practicum	Analyse the adoption of E-Marketing across different types of demographic segments. Debate on Advantages & Disadvantages of e -marketing	

References	
1	Philip Kotler (2015), Principles of Marketing. 13th edition. Pearson Education.
2	Saxena Rajan, (2017) Marketing Management, Tata McGraw-Hill Publishing Company Ltd., New Delhi. Fifth Edition.
3	Kumar Arun & Meenakshi N (2016), Marketing Management, Vikas Publishing House Pvt. Ltd., New Delhi. Third Edition
4	Panda Tapan (2008), Marketing Management, Excel books, New Delhi, Second Edition.
5	Chhabra, T.N., and S. K. Grover. Marketing Management. Fourth Edition.
6	Marketing Management- A South Asian Perspective-15e – Pearson, Philip Kotler, Kevin Keller,
7	Abraham Koshy, Mithileshwar Jha 7 Principles of Marketing-13e Pearson- Philip Kotler, Gary Armstrong, Prafulla Agnihotri, Ehasanul
8	Haque Marketing Management: Indian Context-Global Perspective, Ramaswamy and Namakumari, sixth edition, SAGE Publication
9	Valarie A Zeithmal & Mary Jo Bitner, Dwayne D. Gremler and Ajay Pandit, 7/e, McGH, (2018) Service Marketing, Integrating Customer Focus Across the Firm.
10	Valarie A Zeithmal & Mary Jo Bitner, 5/e, (2011) e-Marketing-TMH.



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Model Curriculum

Program Name	BA in Economics	Semester	Fifth Semester
Course Title	Entrepreneurial Economics		
Course Code:	ECO V1A	No. of Credits	2+1
Contact hours	30+30 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	50	Summative Assessment Marks	50

Course Outcomes (COs): After the successful completion of the course, the student will be able to: • CO1: Acquire the operational procedures knowledge of entrepreneurship • CO2. To know how to Start your own business as a young Entrepreneur • CO3. Enabling the students to find various procedures of operations of the business.		
MODULES	DESCRIPTION	60 Hrs
Module I	Entrepreneurship and Launching Business	15
	Entrepreneur and Entrepreneurship – Issues of considering for Entrepreneurship, identifying business opportunity and choosing right business, Plan a new entrepreneurship- create a business plan- contents of Business plan- marketing plan-operational plan- financial plan-risk analysis and risk management plan. Choose a business structure, Setting Business Entity & incorporation of the company, Formulation of Memorandum of Association (MOA), Formulate Article of Association (AOA), approving stamp and sign of Business Entity. Registering for e-filing, Applying for Director Identification Number (DIN), Digital Signature Certificate (DSC), and Permanent Account Number (PAN).	
Practicum	Identify career opportunities in business and create a Business Plan Demonstration on Registering for e-filing Assignment on Formulation of Memorandum of Association (MOA)	
Module II	Procedure for Start-up Business	15
	Operational Procedures- Get Government of India, State Government (Karnataka) and Local Government tax IDs, -Apply for all concerned licenses and permits, - Open a business bank current account, - Apply for Business Insurance, - Appraisal of Technical Feasibilities, Economic and Financial viability - Bottom line.	
Practicum	Identify the and write a small report on procedure to open a business bank current account and applying for business Insurance.	

Experiential Learning/ Practicum	Visit a Startup/MSME and write a report of 15-20 pages about consisting of the following:	30
Format of the Report	1. Name and Address of the Startup/Micro Enterprise Visited 2. Certificate from the MSME/Startup Stating the students visit and learning about the entrepreneurship and enterprise 3. Certificate from the concerned HOD & Concerned teacher 4. Brief Profile of the MSME/Startup 5. Lessons Learnt about Launching a Business, Product Marketing, Sources of finances, Challenges faced, Strategies to Overcome it, etc....,	

References	
1	Donald F Kuratko (2014), “Entrepreneurship – Theory, Process and Practice”, 9th Edition, Cengage Learning.
2	Khanka. S.S (2013) “Entrepreneurial Development” S.Chand & Co. Ltd., RamNagar, New Delhi.
3	Kuratko and Rao, Entrepreneurship: A South Asian Perspective; Ferrell,Fraedrich, Farrell, Business Ethics, Cengage Learning
4	Singh, Nagendra P. Emerging Trends in Entrepreneurship Development. NewDelhi: ASEED.
5	Marc J Dollinger, Entrepreneurship – Strategies and Resources, PearsonEducation
6	Venkateshwara Rao and Udai Pareek, (Eds)Developing Entrepreneurship-A Handbook
7	Donald F Kuratko (2014), “Entrepreneurship – Theory, Process and Practice”, 9th Edition, Cengage Learning.
9	https://www.sba.gov/business-guide/launch-your-business/open-business-bank-account
10	https://www.businessnewsdaily.com/4686-how-to-start-a-business.html
11	https://www.forbes.com/advisor/in/business/how-to-start-a-business/
12	https://services.gst.gov.in/services/
13	https://www.jotform.com/pdf-templates/proposal
14	https://www.visme.co/templates/proposals/



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Model Curriculum

Program Name	BA in Economics	Semester	Fifth Semester
Course Title	Digital Economics		
Course Code:	ECO V1B	No. of Credits	2+1
Contact hours	30+30 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	50	Summative Assessment Marks	50

Course Objectives: After the completion of the course, the students will be able to understand the structures of the digital economy, how the community and firms interact in digital markets and how digital markets should be designed and regulated.

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1. To be able to apply the concepts of business models to digital economy and understand distinguishing features of the digital economy
- CO2. To link the specific distinguishing characteristics of digital economy to market structures and market outcomes
- CO3. To understand implications of business models and behaviors in the digital economy
- CO4. To analyze the structural incentives of digital economy.

MODULES	DESCRIPTION	60 Hrs
Module I	Features of the Digital Economy	15
	Introduction to the Digital Economy – Digitization of the Economy, The Digital Economy Ecosystem; Multi-sided Platforms, Two-sided Markets, Network Effects and Positive Feedbacks, Lock-in and Switching Costs, Formation of Monopolies in Digital Economy, The “Long Tail”, Importance of Data – Prediction Vs. Causality, Privacy; Search and Matching – Low Search Costs and Prices, Search Engines, Recommendations and Matching, Ethical Challenges in the digital economy – Challenges for Society, Challenges for ethics; Recent Legal Developments towards digital economy.	
Practicum	Group Discussion on the Digital Economy Ecosystem Assignment on Importance of Data – Prediction Vs. Causality.	
Module II	Digital Markets	15

	Main Types of Digital Economy Market Players – Specific Features, Behaviour, Goals Stakeholders and relationships in digital markets, Competition, Cooperation and Coopetition; Digital Innovations, Main types of Digital Economy Business Models, The layered internet model, Strategic Positioning – Business Strategies of Different types of Digital Economy Market Players; Digital Economy and Traditional Companies – Digital Technologies as a risk factor for traditional Companies, Business Models of Traditional Companies in Digital Economy, Coexistence Models of Digital and Traditional Companies; Individual Markets; Media – Copyrights and Streaming, News and Social Media; Advertising, E-commerce – Customization, Auctions, Payment Systems; The sharing/gig economy – Ride-hailing, Labour Markets, Lodging.	
Practicum	Seminar on e-commerce sites Debate on the sharing/gig economy	
Experiential Learning/ Practicum	Conduct a Survey using Interview Schedule on Perception of the consumers who are using digital payments	30
Format of the Report	1. Brief Profile on Digital Payments 2. Different Modes of Digital Payments 3. Collecting the data from the 50 respondents who use Digital Payments Using the pre designed interview schedule 4. Analysis of the data using simple statistical tools 5. Interview Schedule must consist of the following i. Name, Occupation, income and Expenditure ii. Socio-Economic Background of the Consumers iii. From when they are using Digital Payments iv. Products/ Services for which they are using Digital Payments v. Benefits of Digital Payments vi. Difficulties faced by Digital Payments vii. Suggestions to improve	

References	
1	Overby Harald, Jan. A. Audestad (2018), <i>Digital Economics: How Information and Communication Technology is Shaping Markets, Businesses and Innovation</i> , Create Space Independent, Scotts Valley, CA USA
2	Overby Harald, Jan. A. Audestad (2021), <i>Introduction to Digital Economics – Foundations, Business Models and Case Studies</i> , Springer Nature, Switzerland
3	Peitz M & Waldfogel J. (2012), <i>The Oxford Handbook of the Digital Economy</i> , Oxford University Press
4	Kahin. B & Brynjolfsson. E (2000), <i>Understanding the Digital Economy: Data, Tools and Research</i> , Cambridge, Mass: The MIT Press



Government of Karnataka

Model Curriculum

Program Name	BA in Economics	Semester	Fifth Semester
Course Title	Economics of Dairy Farming		
Course Code:	ECO V1C	No. of Credits	2+1
Contact hours	30+30 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	50	Summative Assessment Marks	50

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1. Know the animal husbandry and significance, employment opportunities in dairy farming
- CO2. Acquire the knowledge about dairy farm management.
- CO 3. Understand the facilities of dairy farming.
- CO4. Start the self-dairy farm business.

MODULES	DESCRIPTION	60 Hrs
Module I	Introduction	15
	Animal husbandry, livestock in India, scope and prosperity, dairy development in India, Dairy facilities-selection of site, housing system, classification of dairy plants, layouts and design equipment and utilization, cost aspects of dairy farming, records to be maintained in a dairy farm, finance to Dairy farming.	
Practicum	Visit dairy farm- Survey on Dairy facilities Survey on cost and revenue aspect of dairy farming.	
Module II	Management of a Dairy Farm	15
	Operation flood in India- Definition of Milk and Nutritive value of milk, Classification of dairy, animals-breeds and control, breeding management, Pest, disease and control, care of new born calf, major responsibilities of a dairy former, cooling, cleaning and sanitization of dairy farm, basic principles of feed, importance of Feed ingredients , feed formulation and feed mixing. Milk product and bio-products, procurement of marketing of milk, clean milk production and handling-processing and testing quality Control of milk, storage and distribution of processed milk. Government policies, scheme for dairy business.	
Practicum	Understand the animal breeds and management, diseases and its control, cleaning and sanitization Basic principles of feed and marketing.	

Experiential Learning/ Practicum	Visit a milk federation/dairy co-operative society/ Milk Union	30
Format of the Report	1. Name and Address of the milk federation/dairy co-operative society/ Milk Union Visited 2. Certificate from the milk federation/dairy co-operative society/ Milk Union Stating the students visit and learning about the Dairy Management 3. Certificate from the concerned HOD & Concerned teacher 4. Brief Profile of the milk federation/dairy co-operative society/ Milk Union Visited 5. Lessons Learnt about Managerial Functions, Operational Functions – Reception of the milk, Milk Trading, Testing of milk, dispatch of milk, Payments, Accounting, Cleanliness, Standardization of milk and other functions, dairy Product Marketing, Sources of finances, Challenges faced, Strategies to Overcome it, etc....,	

References	
1	Banerjee G. C. (2010) -Textbook of Animal Husbandry, Oxford Publication, IBH Publishing Co. Pvt Ltd, New Delhi
2	Muller CJC, The Dairy Farming Handbook, Directorate Animal Science Research and Technology Development Services.
3	Dairy India 2007, 6 th Edition
4	Principles and Practices of Dairy Farm – Jagadish Prasad.
5	Economics of Milk Production – Bharati Pratima Acharya Publishers.
6	Saras Applied Zoology- Fifth Edition 2015, SaraS Publication, Tamilnadu.
7	Dilip Dutt, Chairman, National Dairy Development Board- Good Dairy Husbandry Practices.
8	Fao Animal Production And Health- Guide To Good Dairy Farming Practice, Published by food and agriculture organization of the united nations and international dairy federation, Rome, 2011
9	Dairying- 2019, www.cstaricalcutta.gov.in

6th Semester



Government of Karnataka

Model Curriculum

Program Name	BA in Economics	Semester	Sixth Semester
Course Title	International Economics		
Course Code:	ECO C13	No. of Credits	4
Contact hours	60 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1. Understand the international trade theories and their application in international trade
- CO2. Explain the concept of terms of trade and demonstrate the effect of trade barriers; and display the ability to analyse the stages of economic integration
- CO3. Understand the concept of BoP and assess the BoP position and examine the changes in forex rate
- CO4. Analyse the role of International trade and financial institutions
- CO5. Demonstrate good inter-personal and communication skills through class participation and contributing to critical discussion on trade issues

MODULES	DESCRIPTION	60 Hours
Module I	International Trade Theories	15
	Meaning and Importance of International trade; Differences between Internal and International Trade; Trade Theories: Mercantilist view; Absolute cost and comparative cost advantage theories; Haberler's Opportunity cost theory; Hecksher-Ohlin theory; Leontief's paradox	
Practicum	Assignment on Ricardo's Comparative cost advantage and Leontief's paradox	
Module II	Terms of Trade and Commercial Policy	17
	Terms of trade- Concept and Types, Factors determining Terms of Trade; Commercial Policy: Free trade v/s Protection; Tariffs: Types and effects; Quotas; Anti-dumping; Economic Integration: Meaning and stages.	
Practicum	Debate: Free trade v/s Protection Mini project: Trace the evolution of India towards Economic Integration	
Module III	Balance of Payment and Capital Flow	13

	Balance of Payment: Concept, Components; Disequilibrium in Balance of Payment: Causes and Measures to correct disequilibrium; Foreign Exchange rate: Meaning and types; determination of Foreign exchange rate: Demand for and Supply of Forex; Purchasing Power Parity (PPP) theory; Capital Flow: Meaning and concept of Foreign Investment; Forms of FDI; Advantages and disadvantages of FDI.	
Practicum	Prepare India's Balance of Payment statement using recent Economic Survey Assignment on Forms of FDI	

Module IV	International Finance and Trade Institutions	15
	Bretton Woods Institutions: IMF and IBRD -IDA and IFC: Organization, Objectives, Functions and their role in developing countries; Evolution of WTO: GATT – principles and objectives; WTO: Organization, Objectives, Functions, Agreements and current issues; WTO and developing countries;	
Practicum:	Group Discussion: Effectiveness of IMF and IBRD in developing countries Seminar: Agreements of WTO or current issues of WTO	

References

1	Sodersten. B. (1993): International Economics, MacMillan, 3 Edition, London,
2	Salvatore, D. (2016): International Economics, 12 Edition, Wiley Publication
3	Vaish, M. C. and Sudama Singh (1980): International Economics, 3 Edition, Oxford and IBH Publication, New Delhi.
4	Carbaugh, R. J. (1999): International Economics, International Thompson Publishing, New York
5	Dana, M. S. (2000): International Economics: Study Guide and work Book, 5. Edition, Routledge Publishers, London.
6	Kenen, P. B. (1994). The International Economy, Cambridge University Press, London.
7	Krugman, P.R. and M. Obstfeld (1994): International Economics: Theory and Policy Addison-Wesley Publications.
8	Jackson, JD. (1998) The World Trading System, Cambridge University Press, Mass. Cherunilam, International Economics, TMH, New Delhi.
9	D M Mithani, International Economics, Himalaya, Mumbai.
10	Jhingan M.L.(2016): International Economics, Vrinda Publications Pvt Ltd-Delhi
11	Dwivedi D.N. (2013): International Economics Theory & Policy, Vikas Publishing House Pv.t Ltd.
12	K.C. Rana & K.N. Verma International Economics; Vishal Publishing Co. (2017):
13	Krishnamurthy H.R (2013) : Antararashtreeya Arthashastra ; (Kannada version), Sapna, Bengaluru



Government of Karnataka

Model Curriculum

Program Name	BA in Economics	Semester	Sixth Semester
Course Title	Indian Public Finance		
Course Code:	ECO C14	No. of Credits	4
Contact hours	60 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1. Understand the structure of Indian Public Finance
- CO2. Enable the students to know the Source and nature of public revenue and expenditure
- CO3. Understand the Budget and different concept of deficits
- CO4. Know the Public debt and its management
- CO5. Understand the fiscal and monetary policy and their tools and importance
- CO7. To enable the students to know the Indian federal financing system and Financial Commissions.

MODULES	DESCRIPTION	60 Hours
Module I	Public Revenue	18
	Direct Tax Revenue - Sources of Revenue-Tax and Non-Tax Revenue; Trends and Patterns of Tax Revenue in India; Direct and Indirect Taxes in India; Personal Income Tax Rates and Slabs; Corporate Tax- Tax Rate and Slabs; Indirect Tax Revenue - Indirect Taxes – Earlier Taxes-VAT and MODVAT; Goods and Services Tax (GST)- Objectives and Classification of GST, Tax Rates of GST; Trends and Patterns of GST; Impact of GST on Indian Economy; Tax Reform Commissions.	
Practicum	Collection and analysis of data on Direct tax Collection and analysis of GST from businesses	
Module II	Public Expenditure	15
	Revenue Expenditure - Classification of Public Expenditure in India; Revenue Account Expenditure- Trends and Patterns; Capital Account Expenditure-Trends and Patterns; Fiscal Responsibility and Budget Management (FRBM) Act; Impact of Public Expenditure on Indian Economy; Expenditure Reforms Commission (ERC) in India; Union Budget and Its Analysis - Meaning and Classification of Budgets; Zero-Based Budget; Composition of Union Budget; Union Budget Analysis (current one); Different Concept of Deficits- Revenue, Fiscal, Primary Deficits	
Practicum	Analysis of Union Budget (Current one) Group Discussion on Budget Deficits	

Module III	Public Debt and Its Management	14
	Public Borrowings and Debt - Meaning and Nature of Public Debt; Sources of Public Borrowings; Classification of Public Debt; Trends and Patterns of Central Government Debt; Main Characteristics of Indian Public Debt; Crowding out of Private Investment; Causes of Public Debt in India; Burden of Public Debt and Management in India - Meaning of Burden of Public Debt; Importance of Public Management; Principles of Public Debt Management; Repayment of Public Debt in India; Impact of Public Debt on Indian Economy; Finance Commissions in India	
Practicum	Assignment to write on Indian Public Debt and sources of repayment Group Discussion on Burden of Public Debt	
Module IV	Fiscal and Monetary Policies and Federal Finance in India	13
	Fiscal and Monetary Policy India - Meaning and Objectives of Fiscal Policy; Importance of Fiscal Policy; Tools of Fiscal Policy; Meaning and Objectives of Monetary Policy; Importance of Monetary Policy; Tools of Monetary Policy; Indian Federal Finance - Meaning and Importance- Stages of Growth; Allocation of Resources- Division of Functions and Resources; Principles of Federal Finance; Shortcomings of Federal Financing; Finance Commission and Their Recommendations.	
Practicum	Group Discussion about the Role of Fiscal and Monetary Policies in controlling inflation Assignment to write the State List, Union List and Concurrent list	

References	
1	Bhatia H L (2021): Public Finance, S. Chand and Co., New Delhi.
2	Lekhi R.K (2020): <i>Public Finance</i> , Kalyani Publishers, New Delhi.
3	Musgrave R.A and Musgrave P.A (2017): <i>Public Finance in Theory and Practice</i> , Mcgraw- Hill Kogakusha, Tokyo.
4	Om Prakash (2021): <i>Public Economics: Theory a practice</i> , Vishal Publishing Co. Ludhiana.
5	S.K. Singh (2019): <i>Public Economics: Theory and Practice</i> S. Chand and Co., New Delhi.
6	Tyagi, B.P (2018): <i>Public Finance</i> , Jai Prakash Nath and Company, Meerut, India.



Government of Karnataka

Model Curriculum

Program Name	BA in Economics	Semester	Sixth Semester
Course Title	Economic Thoughts of Dr.B.R Ambedkar		
Course Code:	ECO C15	No. of Credits	4
Contact hours	60 Hours	Duration of SEA/Exam	2 hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1. derive inspiration from the life and works of B R Ambedkar
- CO2. Appreciate the socio-economic scenario during Ambedkar' period and compare it with present day
- CO3. Comprehend the contributions of Ambedkar on various economic aspects
- CO4. Assess the economic views of Ambedkar in the light of present-day socio-economic problems
- CO5. develop the traits of critical thinking and critiquing

MODULES	DESCRIPTION	60 Hours
Module 1	Ambedkar's views on Economy, Society and Equity	15 Hrs
	Socio- Economic-Political Context of India during Ambedkar's period; Brief outline of Ambedkar's life and career; Ambedkar's views on: a) economy and society; b) role of state c) Socialism and State Socialism; d) Women Empowerment , e) Objectives of economy: growth & equity; Socio-economic inequality: Economics of Caste, discrimination and deprivation; reforms suggested there in by Dr Ambedkar: Constitutional Provisions; Hindu code Bill	
Practicum	Assignment: Socio-economic inequality and status of affirmative actions in India	
Module 2	Thoughts of Ambedkar on Agriculture	15Hrs
	Ambedkar's views on: Agrarian Economy; Consolidation of land holdings and land revenue; Comparison with Ricardian view; Collective farming; views on land-ownership and land lessness; Nationalization of land and ceiling on land holdings; Surplus labour utilisation in agriculture and capital formation;	
Practicum	Mini Project: Using the Agriculture census data (https://agcensus.dacnet.nic.in/), chart the average size of operational holdings (by group) for different social classes in your tehsils and district (for 2001-2 and 2015-16); compare with the corresponding figures of state and nation.	
Module 3	Ambedkar on Industrialisation and Planning	15 Hrs
	Ideas on Industrialisation; views on types of industries Labour: views on labour exploitation and labour reforms; Social security Planning: Measures to develop Irrigation and Power sector: River linking;	
Practicum	Debate 1): Small & cottage industries of rural areas v/s large scale industries in	

	urban areas Debate 2) Industrialize or perish v/s Industrialize and perish	
Module 4	Ambedkar's contribution to Fiscal and Monetary Economics	15 Hrs
	Fiscal Economics: study of sources of revenue; canons of expenditure Monetary Economics: Price stability and exchange rate stability; Currency reform	
Practicum	Seminar: Ambedkar's views on 'The Problem of Rupee'	

References (In order of importance of usage)	
1	Heggade O D (1998) - Economic Thoughts of B R Ambedkar
2	Heggade O D – ಅಂಬೇಡ್ಕರ್ ರ ಆರ್ಥಿಕ ವಿಚಾರಧಾರೆ, Arjun Pub. House, Mysuru
3	Speeches and writing of Dr. B R Ambedkar, W R Mujawar (4 Volumes)
4	ಡಾ.ಬಾಬಾಸಾಹೇಬ ಅಂಬೇಡ್ಕರ್ ರ ಬರಹಗಳು ಮತ್ತು ಭಾಷಣಗಳು – Vol 1, Vol.2 Part 1& 2, Vol 3, Vol 6 Part 1& 2, Vol 10 Part 1, 2, & 3, Vol 12 part 2, Pub by Govt of Karnataka
5	Nagar and Nagar (2010), Economic Thoughts and Policy of Dr. B. R. Ambedkar
6	Permaiah, P.K and Sateesh Reddy (1994) – Dr Ambedkar's Economic Philosophy, Delta Pub, New Delhi
7	Dongre M K – Economic Thought of Dr B R Ambedkar
8	Ramaiah Reddy (ed) (1987)- Dr B R Ambedkar's Economic Philosophy
9	Sukhadeo Thorat(1998), Ambedkar's Role in Economic Planning and Water Policy, Shipra Publications, New Delhi.
10	Ambedkar B. R. (1936) Annihilation of Caste, Government of Maharashtra, Writings and Speeches of Dr B R Ambedkar, Volume 1, Mumbai. Also see https://www.brambedkar.in/annihilation-of-caste/
11	Ambedkar B. R. (1923) THE PROBLEM OF THE RUPEE: ITS ORIGIN AND ITS SOLUTION (HISTORY OF INDIAN CURRENCY & BANKING) http://drarnbedkar.co.in/wp-content/uploads/books/category1/13the-problem-of-the-rupee.pdf
12	Vasant Moon (Compiled) (1989) DR. BABASAHEB AMBEDKAR WRITINGS AND SPEECHES VOL. 1Part V of https://www.mea.gov.in/Images/attach/amb/Volume_01.pdf



Government of Karnataka

Model Curriculum

Program Name	BA in Economics	Semester	Sixth Semester
Course Title	Environmental Economics		
Course Code:	ECO C16	No. of Credits	4
Contact hours	60 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to: • CO1. Understand how economic methods can be applied to environmental issues facing society • CO2. Examine the linkages between Environmental Degradation and Economic Development • CO3. Develop an informed view regarding the potential of economics to help societies achieve their environmental goals • CO4. Demonstrate good inter-personal and communication skills through writing an essay and contributing to critical discussion • CO5. Analyze environmental problems and to assess environmental policies.			
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MODULES	DESCRIPTION	60 Hours
Module I	Environment and Ecology	15
	Meaning, Nature and Scope of Economics of Environment; Linkages between Environment and the Economy; Environmental Kuznets curve; Environmental Stress; Population and Environment; Poverty and Environment; Meaning and elements of ecology; Biotic and Abiotic components; Food, Hydrological and Carbon Cycles; Material Balanced Principle (Entropy law); Meaning and strategies to achieve Sustainable Development; Rio Summit; Green Accounting Introduction to SDGs.	
Practicum:	Making charts relating to SDGs or Assignments on environment-economy linkages at the local level.	
Module II	Natural Resources Scarcity and Conservation	15
	Meaning and Characteristics of Renewable and Non-renewable resources; Non-Renewable Resources and the problem of depletion and problem of overuse ; Resource Scarcity and Economic Growth (Limits to Growth Model); Energy and Economic Development; Energy resources and their Pricing; Alternative energy sources; Conservation of Natural Resources- 3Rs – Reduce, Reuse and Recycling Measures	
Practicum:	Identifying local resources; Project on resource conservation (esp. water) at the College level; Discussion on Limits to Growth	

Module III	Environmental Pollution	15
	Environmental regulatory system in India; Pollution Control Boards and their Functions; Provisions of the Environmental Protection Act, 1986; Environmental Movements in India (Chipko); Role of Citizens and NGOs in Environmental Protection.	
Practicum:	visiting the Pollution Control Board office and observing its functions	
Module IV	Environmental Pollution and Regulation	15
	Environmental regulatory system in India; Pollution Control Boards and their Functions; Provisions of the Environmental Protection Act, 1986; Environmental Movements in India (Chipko); Role of Citizens and NGOs in Environmental Protection.	
Practicum:	Assignments on types of pollution in local areas; Seminars on climate change and its consequences; visiting the Pollution Control Board office and observing its functions	

References	
1	Bhattacharya, R.N (Ed) (2001), <i>Environmental Economics: An Indian Perspective</i> , Oxford University Press.
2	Karpagam M. (1993), <i>Environmental Economics</i> , Sterling Publishers, New Delhi.
3	Shankar, U, (2001), <i>Environmental Economics</i> , Oxford University Press, New Delhi.
4	Singh, Katar and Anil Shisodia (2007): <i>Environmental Economics: Theory and Applications</i> , Sage Publications, New Delhi
5	Mahajan V.S (2003): <i>Environmental Protection – Challenges & Issues</i> , Deep & Deep Publishers New Delhi
6	Sengupta, R.P. (Ed.) (2001), <i>Ecology and economics: An Approach to Sustainable Development</i> , Oxford University Press, New Delhi.
7	Nick Hanley, Jason F, Shogren and Ben White (2005): <i>Environmental Economics in Theory and Practice</i> , Macmillan India Ltd.



Government of Karnataka

Model Curriculum

Program Name	BA in Economics	Semester	Sixth Semester
Course Title	Industrial Economics		
Course Code:	ECO E2A	No. of Credits	3
Contact hours	45 Hours	Duration of SEA/Exam	2 hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1. Understand Industrial Economics in the Indian context.
- CO2. Critically examine and summarize the theories of industrial location.
- CO3. Describe the working of different industrial finance institutions.
- CO4. Identify the major issues involved in Indian industry and Government policies.

MODULES	DESCRIPTION	45 Hours
Module – I	Framework of Industrial Economics	15
	Industrial Economics: Meaning, Nature & Scope, Importance - Concepts: Plant, Firm and Industry; Organization of a Firm; Classification of Firms on the basis of Ownership (Public, Private, Joint and Cooperative Sectors), - Industrial Combinations, causes, Mergers & Acquisitions and Amalgamations; Industrial Location: Meaning, Determinants, Weber's theory, Florence's theory, Industrial location policy in India, Industrial Location trend in India.	
Practicum	Visit to nearest firm/organization and prepare the report	
Module – II	Industrial Growth and Finance in India	15
	Industrial growth in India: Review of recent trends in Indian industrial growth and structural transformation, Changing role of Public enterprises, efficiency, productivity and performance constraints - Performance and role of Micro, Small, Medium Enterprises (MSME), Role of MNC's in India, The IT sector in India viewed in world context; Industrial Finance : Internal & External and other components of Funds, Role, Nature, Volume and types of Industrial Finance - Role of Commercial Banks, IDBI, SIDBI, IFCI, SFCs etc.	
Practicum	Discussion on sources of Industrial Finance.	

Module – III	Issues in Indian Industry and Government Policies	15
	Major Issues in Indian Industry: Industrial Backwardness, Problems of Regional Imbalance, Industrial Sickness: Industrial Disputes: Causes and Measures, Industrial Proliferation and Environmental Protection; Government Policies for Industries : Global Competition emerging trend, Government's recent policies - Industrial policy 1991 and subsequent changes, Technology and Foreign Collaboration Policy,	
Practicum	Seminar on Industrial disputes.	

References	
1	Barthwal R.R. (2022), <i>Industrial Economics: An Introductory Textbook</i> , 3 rd Edn, NewAge International Publishers.
2	Bhalerao N & Desai SSM (2010), <i>Industrial Economy of India</i> , 5 th Edition, Himalaya Publishing House, Bombay.
3	Cherunilam, F. (1994), <i>Industrial Economics: Indian Perspective</i> , Himalaya Publishing House, Mumbai.
4	Hay, D. and D.J. Morris (1979), <i>Industrial Economics: Theory and Evidence</i> , Oxford University Press, New Delhi.
5	Singh, Sai A. and A. N. Sadhu (1988), <i>Industrial Economics</i> , Himalaya Publishing House, Bombay.
6	Sivayya, K.V. and Das, V.B.M. (2004), <i>Indian Industrial Economy</i> , S. Chand & Co., New Delhi.



Government of Karnataka

Model Curriculum

Program Name	BA in Economics	Semester	Sixth Semester
Course Title	Labour Economics		
Course Code:	ECO E2B	No. of Credits	3
Contact hours	45 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcomes (COs): After successfully completing the course, the student will be able to:

CO1. Understand the basic concepts of Labour Economics.

CO2. analyze and tackle the labour issues effectively

CO3. Understand the theories of wages as well as wage policy analysis

MODULES	DESCRIPTION	45 Hrs
Module - I	Introduction Labour Economics	15
	Concept and Definition - Nature, Scope and Importance - Labour as a Unique Factor of Production - Labour Economics as a Branch of Economics - Interdisciplinary Character of Labour Economics; Labour Market Concept of Labour Market and its Features - Difference between Labour Market and Commodity Market - Labour Market Imperfections and Factors Contributing to Imperfections - Determinants of the Supply and the Demand for Labour - Organized and Unorganized Labour.	
Practicum	Group Discussion on Labour as a Unique Factor of Production. Assignment on Labour Economics as a branch of economics Visit to Organized and Unorganized Labour Market	
Module II	Employment and Wage	15
	Concept of Employment and Full Employment - Need for Full Employment - Theories of Employment - Classical, Neo-Classical and Modern Approaches to Employment - Unemployment, Causes and Consequences - Technology and Employment - Information Technology Revolution and Employment; Wages Wage Concept and Definitions – Wage and Development – Theories of Wages, Classical, Marginal Productivity and Collective Bargaining Theory of Wage – Wage Differentials – Wage Policy, Objectives and Importance.	
Practicum	Presentation on Theories of Employment Undertake evaluation study on wage policies and prepare an assignment.	
Module III	Labour Productivity and Labour Welfare	15
	Concept of Labour Productivity - Measurement and Importance of Labour Productivity - Determinants - Causes for Low Labour Productivity and Measures to Increased Labour Productivity - Technology and Labour Productivity. State and	

	Labour: Need for State Intervention in Labour Matters - Methods of Intervention - Labour Social Security and Labour Welfare Measures; Labour Policy, Objectives and Importance - Emerging Perception on State Intervention.	
Practicum	Survey on the conditions of Labour in different sectors Debate on need for State Intervention in Labour Matters	

References	
1	Bhagoliwal T.N. <i>Economics of Labour and Industrial Relations</i> , Sahitya Bhavan, Agra.
2	McConnell C.R. and S.L. Brue <i>Contemporary Labour Economics</i> , McGraw Hill, New York.
3	Mittal and Sanjay Prakash Sharma. <i>Labour Economics</i> , RSBA, Jaipur.

JSS COLLEGE FOR WOMEN (AUTONOMOUS)
SARASWTHIPURAM, MYSURU-09
QUESTION PAPER PATTERN
B.A (ECONOMICS)
(NEP Scheme)

Time: 2 Hours

Max.Marks:60

Instructions: Answer all parts

PART-A

I. Answer any FIVE of the following questions:

5x2=10

1. (a).....
- (b).....
- (C).....
- (d).....
- (e).....
- (f).....
- (g).....
- (h).....

PART-B

II. Answer any SIX of the following questions:

6x5=30

- 2).....
- 3).....
- 4).....
- 5).....
- 6).....
- 7).....
- 8).....
- 9).....
- 10).....

PART-C

III. Answer any TWO of the following questions:

2x10=20

- 11).....
- 12).....
- 13).....
- 14).....

Formative Assessment for C1 & C2 = 40 Marks		
Assessment Occasion/ type	Marks	
	C1	C2
Internal Test	10	10
Record	05	05
Assignment/Seminar	05	05
TOTAL	20	20