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BE BOUNDLESS

BENGALURU CITY UNIVERSITY

CHOICE BASED CREDIT SYSTEM
(Semester Scheme with Multiple Entry and Exit Options for
Under Graduate Course- as per NEP 2020)

Syllabus for Economics
III & IV Semester

2022-23 onwards

Request to Fellow Teachers;

In the BCU BOS (UG) Economics meeting held on 15-9-2022, taking cognise of the teacher's and student's request, the BOS members unanimously opined that for BA Honours DSC 3.2 and DSC 4. 2 papers should be given a choice so that students can choose one.

After deliberations, it was decided that DSC 3.2.1 would be Mathematics for Economics and 3.2.2 would be Agriculture Economics, DSC 4.2.1 would be Statistics for Economics, and 4.2.2 would be Monetary Economics so that students could opt for one of them each semester.

In view of enhancing the skills and employability of the students, teachers are requested to motivate the students to take Mathematics for Economics in the third Semester and Statistics for Economics in the fourth Semester.

- S.R.Keshava

Acknowledgement

The Chairperson and Members thank Honourable Vice-Chancellor Prof. Lingaraja Gandhi for the opportunity provided to serve in BOS. Also, thank the officials of the University for providing the logistics.

BOS Members

Dr.S.R.Keshava	Chairperson
Ms. M.S.Rukmini	Member
Ms. Jayanthi P. N	Member
Ms. Joyce Metilda Irudayam	Member
Dr. Revanna Siddeshwara M Kunthimut	Member
Dr. Shoba V Bhimsen	Member
Ms.Shrilatha A	Member
Mr.Ramesh Kumar L	Member
Mr. Clement Joseph D'souza	Member
Dr. Sudha B V	Member

Formative Assessment

Pedagogy: Classroom lectures, tutorials, Problem-solving exercises, seminars, presentations, activities, group discussions, field visits, project work, etc.,

Formative Assessment for C1 & C2		
Assessment Occasion/ type	**Marks**	
	C1	**C2**
Internal Test	10	**10**
Assignment/Seminar	05	
Quiz	05	
Case study /Fieldwork / Project work/ Industrial Visit and Prepare areport	-	**10**
Total	**40 Marks**	
Formative Assessments, as per NEP guidelines, are compulsory		

Note: Strictly follow the Practicum

Question Paper Pattern for 60 Marks for BA/B.Sc. in Economics
(DSC, DSEC &OEC)

Section A
(Objective type/multiple choice
Answer any ten of the following out of 12 questions.   Each question carries One mark.
(1X10 = 10)

1.

    a)
    b)
    c)
    d)
    e)
    f)
    g)
    h)
    i)
    j)

k)

l)

m)

Section B

(Questions for testing the knowledge of theories and application)

Answer any **six** of the following out of 8 questions.   Each question carries **Five** marks

(5X6=30)

2.

3.

4.

5.

6.

7.

8.

9.

Part C

(Questions for testing the critical ability of understanding)

Answer any two of the following out of 3 questions.   Each question carries **Ten** marks

(10 X2=20)

10.

11.

12.

B A Honors Economics Syllabus for III and IV Semester – Effective from 2022-23 onwards

SEM	Type of Course	Course / Paper Title (All theory papers)	Instruction hour per week	Total hours of Syllabus / Sem	Duration of Exam	Formative Assessment (Internal) Marks	Summative Assessment (Sem End) Marks	Total Marks	Credit
III	DSC 3.1	Microeconomics	3 hrs.	42	2 hrs.	40	60	100	03
	DSC 3.2.1 DSC 3.2.2	Mathematics for Economics **OR** Agriculture Economics	3 hrs.	42	2 hrs.	40	60	100	03
	OE 3.3.1	Rural Economics	3 hrs.	42	2 hrs.	40	60	100	03
	OE 3.3.2	Economics of Insurance	3 hrs.	42	2 hrs.	40	60	100	03
	OE 3.3.3	Economics of Human Development	3 hrs.	42	2 hrs.	40	60	100	03
IV	DSC 4.1	Macroeconomics	3 hrs.	42	2 hrs.	40	60	100	03
	DSC 4.2.1 DSC 4.2.2	Statistics for Economics **OR** Monetary Economics	3 hrs.	42	2 hrs.	40	60	100	03
	DSC 4.3.1	Karnataka Economy	3 hrs.	42	2 hrs.	40	60	100	03
	OE 4.3.2	Entrepreneurial Economics	3 hrs.	42	2 hrs.	40	60	100	03
	OE 4.3.2	Economics and Law	3 hrs.	42	2 hrs.	40	60	100	03
	OE 4.3.4	Economics of GST	3 hrs.	42	2 hrs.	40	60	100	03

Semester III

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 successfully completing 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.
Syllabus- Course 5: Title- Microeconomics			**42 Hrs.**
Unit 1	**Basics of Microeconomics**		14 hours
	Chapter 1	**Some Concepts of Microeconomics** Scarcity and Choice; Opportunity cost; Production possibility frontier; Price mechanism v/s state intervention Types of Goods (Free Goods, Economic Goods, Public and Private goods, Common Property Resources, Club goods).	6 hrs.
	Chapter 2	**Consumption decision:** Indifference curves – Meaning and Properties;budget constraint; Consumer's Equilibrium; Price, income and substitution effects; Derivation of Demand Curve from Indifference Curves**;** Revealed Preference Theory; Choice between leisure and income.	8 hrs.
Practicum:			

- ➢ Prepare assignment on Consumer's equilibrium through indifference curve analysis
- ➢ Seminar on Concepts of Micro Economics
- ➢ Conducting a consumer survey to understand their tastes and preferences

Unit -2:	Production and Costs		14 hours
	Chapter 3	**The Firms**: Concept of firm and Industry; Production Function with Two variable inputs: Properties of Isoquant, isocost line and least cost combination of inputs; Production function with all variable inputs (Returns to Scale); Features of Cobb-Douglas Production Function	8 hrs.
	Chapter 4	**Cost of Production**: Cost function and estimation: Linear and Non-Linear (cubic and quadratic) and applications; Economies and Diseconomies of scale	6 hrs.

Practicum:
- ➢ Group Discussion on Economies and Diseconomies of scale
- ➢ Project work on cost functions and cost estimations

Unit -3:	Price Determination of products and factors		14 hours
	Chapter 5	**The Markets -I**: Perfect Competition: Price determination of an industry under different time periods and equilibrium of firm under short run and long run; (some numerical exercises) Monopoly pricing and price discrimination; (some numerical exercises)	4 hrs
	Chapter 6	**The Markets-II:** Pricing under Monopolistic Competition; equilibrium of firm under product differentiation and selling costs; Oligopoly – Interdependence and price rigidity, Collusive (Cartels and Price leadership) and non-collusive oligopoly (Cournot model); Elements of Game theory (players, strategy, Payoff matrix)	5 hrs
	Chapter 7	**The Inputs (Factors)** Functional and Personal Income; Marginal Productivity Theory of Distribution; Modern theory of distribution; Concepts related to rent, wage, interest and profit.	5 hrs

Practicum:
- ➢ Conducting Market Survey to identify the nature and features of markets for different goods/services
- ➢ Understanding the distribution of national income as factor incomes

Pedagogy: Classroom lectures, tutorials, Problem-solving exercise

Note: Strictly follow the Practicum

References	
1	Ahuja, H.L. (2008): *Principles of Microeconomics*, S. Chand and Co., New Delhi
2	Mankiw, N. Gregory (2020). *Principles of Economics* (Ninth ed.). Boston, MA.
3	Jhingan, M.L. (2016): *Microeconomics*, Vrinda Publications, New Delhi
4	Koutsoyianis, A (1979): *Modern Microeconomics,* London, Macmillan
5	Omkarnath, G. (2012: *Economics: A Primer for India*, Orient Blackswan, Hyderabad
6	Samuelson, Paul (2004): *Economics*, McGraw-Hill, New Delhi
7	https://www.core-econ.org/the-economy/book/text/0-3-contents.html

Semester III

Course Title   Mathematics for Economics

Course Code:	DSC-3.2.1	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.   Perform basic operations in Sets and functions and Matrix algebra.
CO2.   Calculate limits, derivatives of Economic functions and identify the nature of the relationship.
CO3.   Calculate the 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 Numbers, Real numbers,integers, Irrational Numbers, Complex Numbers. 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: Applications of 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 totalfunction-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

Pedagogy: Classroom lecture, tutorials, Problem solving exercise

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.
8	Veerachamy R (2005) Quantitative Methods for Economics, New Age International Publishers Private Ltd. New Delhi.
9	Yamane Taro, (2002) Mathematics for Economists -An Implementer Analysis, Phi Learning Publishers.
10	S. N. Yogish, Mathematical methods for Economists- Mangaldeep publications, Jaipur.

Semester III

Course Title	Agriculture Economics		
Course Code:	DSC-3.2.2	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 completing the course, the student will be able to:

CO1.   Acquire knowledge of the role of agriculture in economic development
CO2.   Acquire the theoretical and application knowledge of agricultural growth and development
CO3.   To enable the students to understand the Strategy of Agricultural Development in India,
CO4.   To make the students aware of institutional and non-institutional sources of agricultural Finance

Contents	42 Hrs.
Unit–1: Agriculture and Economic Development	**14 hrs.**
Chapter 1: Introduction to Agricultural Economics • Definition and scope of agricultural economics • Need for special techniques of economic analysis to deal with unique problems of the agricultural economy • Seasonality, perishability, and heterogeneity of output • The Organisation of agricultural production – Role of Land, Labour, Capital, and entrepreneurship	5
Chapter 2: Agriculture in Economic Development • Role of Agriculture in Economic Development. • Diversification of agriculture: Agriculture and allied activities (fisheries, horticulture, floriculture). • Interdependence between agriculture and industry	4
Chapter 3: Structural changes and Agriculture in India • Traditional agriculture and its modernisation • Changes in the share of agriculture to G.D.P., reasons, and way forward • Changes in the percentage of employment generated by agriculture in the total workforce- reasons and way forward	5
Practicum:	

• Visit a few nearby agricultural farms, discussing with farmers about crops grown, productivity, farm practices and the problems the farmers are facing, and the solutions. Then writing an assignment • Group Discussions on the declining contribution of agriculture to G.D.P.	
Unit – 2 Theory of agricultural growth and development	**12 Hrs**
Chapter 4: Transformation of traditional agriculture • Schultz's transformation of traditional Agriculture • Mellor Model of agricultural development	2
Chapter 5: Dual economy models and other theories • Jorgenson's Model of Development of Dual Economy • Arthur Lewis's theory of Unlimited supplies of Labour • Fei-Ranis Model of Economic growth • Todaro Model of Rural-Urban Migration and Unemployment	6
Practicum: 1. Group Discussions on various Agricultural growth and development theories. 2. Debate on the relevance of the agricultural theories in the present agricultural situation in India	4
Unit -3: Strategy of Agricultural Development in India	**16 Hrs**
Chapter 6: Land Reforms and Policy • Resource Allocation and Capital Formation. • Institutional v/s Technological Factors. • Pre-Land Reform Agrarian Scenario, • Post-Independence Agrarian Reforms, Legislation, and Implementation • Abolition of Intermediaries: Tenancy Reforms, Ceiling Legislation Implementation • Role of Technological factors in Agricultural Growth: High Yielding Varieties of Seeds, Irrigation and Water, Fertilisers, Mechanisation • Economic Reforms and Agriculture, • W.T.O. and Indian Agriculture	4
Chapter 7: Agriculture Finance • Role, Importance and features of Agricultural Finance • Basic economic principles and Criteria involved in Finance, • Need for Agriculture credit. • Estimates of Rural Financial Requirements. • The extent of Agricultural Finance • Problems of Agricultural Finance and suggestions to improve Agricultural Finance • Sources of Agricultural Finance; Institutional and Non -Institutional Credit Financing through N.A.B.A.R.D., Co-operatives, Commercial Banks and RRBs. • Money Lenders; Role, Defects, Regulations, and Reasons for money lenders still one being one of the sources. • Financial Institutions and credit flow to the rural/priority sector • Micro-Financing and Role of M.F.I.'s, N.G.O.'s and S.H.G.'s.	6
Chapter 8: Agricultural Marketing • Definition and need for an efficient Marketing System • Nature of Demand for Farm Products.	6

• Structure of Agricultural Product Markets. • Functions of Marketing • Present System of Indian Agricultural Marketing; Problems of Indian Agricultural Marketing • Government Measures to improve Indian Agricultural Marketing	

Practicum
1. Write an assignment on the impact of land reforms in India
2. Discuss the maximum acres of agricultural land an individual can own in Karnataka vis-a-vis other states.
3. Quiz on the strategy of agricultural development in India

Pedagogy: Classroom lectures, tutorials, Problem-solving exercises, field visit

Note: Strictly follow the Practicum

References	
1	Lekhi R K, Joginder Singh (2022), Agricultural Economics, Kalyani Publishers, New Delhi
2	Dantwala, M.L. et al. (1991), Indian Agricultural Development Since Independence, Oxford & IBH, New Delhi.
3	Government of India (1976), Report of the National Commission on Agriculture, New Delhi.
4	Government of India, Economic Survey (Annual), New Delhi.
5	Gulati, A. and T. Kelly (1999), Trade Liberalization and Indian Agriculture, Oxford UniversityPress, New Delhi.
6	Reserve Bank of India, Report on Currency and Finance (Annual), Mumbai
7	Rudra, A. (1982), Indian Agricultural Economics: Myths and Reality, Allied Publishers, NewDelhi

Semester III

Course Title	Rural Economics			
Course Code:	**OE-3.3.1**		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 redevelopmentCO3.

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 the significance of rural enterprises and agricultural alliedactivities.

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	4
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	4
Meaning and Measurement of Poverty	
Causes of Poverty	
Farm and Non-Farm Employment	
Measurement and Types of Employment	
Review of Poverty Alleviation and Employment Generation Programmes in India	
Practicum:	
• Field visit to a nearby village and study the poverty situation	
• Field visit to the village and study the employment pattern	
Undertake an evaluation study on employment generation programmes and prepare an assignment.	
Unit -2:	14 Hrs
Chapter 4- Rural Enterprises	5
Meaning and Importance, Classification of MSME	
Progress and Problems of MSME	
Khadi and Village Industries	
Chapter 5: Rural Banking and Finance	4
Credit Co-operative Societies	
Regional Rural Banks	
Role of NABARD	
Microfinance Institutions	
Chapter-6: Rural Infrastructure	5
Educational and Health Infrastructure	
Housing and Sanitation	
Drinking Water Supply	
Rural Transport and CommunicationRural Electrification	
Practicum:	
• Write an assignment on Rural Infrastructure	
• Write a report on rural industries	
Unit -3:	**14 Hrs**
Chapter 7- Rural Development Programmes	4
Wage Employment Programmes	
Self-employment and Entrepreneurship Development Programmes	
Rural Housing Programmes	
Rural Sanitation Programmes	

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 a brief note on their participation in rural development.

• Undertake an 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.

Semester III

Course Title	Economics of Insurance			
Course Code:	OE-3.3.2		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. Gain knowledge relating to the importance of insurance in the life of human beings.

C02. Acquaint with the conceptual framework of Insurance

C03. Understand the Fundamentals of Life and Health Insurance, functions of Life and Health Insurance

C04. Gain Knowledge relating to Insurance Documentation and Insurance legislation

Contents	42 Hrs
Unit–1: Introduction to Economics of Insurance	14
Chapter:1 - Fundamentals of Economics of Insurance ➢ Definition of Insurance ➢ Scope of economic insurance ➢ Importance of insurance	4
Chapter:2 - The conceptual framework ➢ Brief history of insurance ➢ Perils and risks in insurance, Classification of risks hazards ➢ How insurance works ➢ Classes of insurance and assumptions	5
Chapter:3 - Type of Insurance ➢ Risk pooling and risk transfer in insurance ➢ Social vs private insurance ➢ Life vs non-life insurance	5
Unit -2: Insurance Planning	14
Chapter 4- Types of Insurance Planning ➢ Wealth accumulation plan lifecycle planning ➢ Planning for wealth accumulation ➢ Tax advantage and tax non-advantage	4

Chapter-5: Retirement Planning	**5**
➤ Essential of individual retirement planning ➤ Investing pension plan, basic principles of pension plans ➤ Pension plans in India	
Chapter-6: General Insurance Structure	**5**
➤ General Insurance, concept of General Insurance ➤ Types of General Insurance, Marine Insurance, Motors Insurance, Agricultural Insurance ➤ Fire Insurance, Personal Accident Insurance	
Unit -3: personal insurance / Health Insurance	**14 Hrs.**
Chapter 7- Essential of Life and Health Insurance	**3**
➤ Fundamentals of Life and Health Insurance, functions of Life and Health Insurance ➤ Health Insurance and Economic Development, Insurance and Farmer Security	
Chapter 8 - Insurance Documentation	**3**
➤ Health Insurance products, Health Insurance underwriting ➤ Health Insurance claims	
Chapter 9 - Insurance Legislation	**8**
➤ 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	

Pedagogy: Classroom lectures, tutorials, Problem-solving exercise

References	
1	Bailey, R. (Ed.) (1999), Underwriting in Life and Insurance, LOMA, Atlanta, Ga.
2	Bhole, L.M. (1990), The Indian Financial System, Tata McGraw Hill, New Delhi.
3	Bickelhaupt, D.L. (1992), General Insurance, Irwin Inc., Burr Ridge, Ill.
4	Black, K. Jr. and H.D. Skipper Jr. (2000), Life and Health Insurance, Prentice Hall, Upper Saddle River, New Jerssey.
5	Finsinger, J. and M.V. Pauly (Eds.) (1986), The Economics of Insurance Regulation : A Cross National Study, Macmillan, London.
6	Graves, E.E. and L. Hayes (Eds.) (1994), McGill's Life Insurance, The American College, Blyn Mawr, Pa.
7	Head, G.L. and S. Horn II (1991), Essentials of Risk Management, Volume I, Insurance Institute of America, Malvern, Pa.
8	Skipper, Jr., H.D. (Ed.) (1998), International Risk and Insurance : An Environmental Managerial Approach, Irwin McGraw Hill, Boston.
9	Tacchino, K.B. and D.A. Little (1993), Planning for Retirement Needs, The American College, Bryn Mawr, Pa.

Semester III

Course Title	Economics of Human Development		
Course Code:	OE-3.3.3	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 on 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

Pedagogy: Classroom lectures, tutorials, Problem-solving exercise

	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 Gopakl, 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), ICFAI University Press
9	Rao, T.V and Pareek, Udai (2005) Designing and Managing Human Resource Systems, Oxford IBH Pub. Pvt.Ltd., New Delhi.
10	Rao, T.V: Readings in HRD, Oxford IBH Pub. Pvt. Ltd., New Delhi,
11	Viramani, B.R and Seth, Parmila: Evaluating Management Development, Vision Books, New Delhi.
12	Rao, T.V. (et.al)(2003) HRD in the New Economic Environment, Tata McGraw-Hill Pub.Pvt, Ltd., New Delhi ,.
13	Rao, T.V: Human Resource Development, Sage Publications, New Delhi.
14	Viramani, B.R and Rao, Kala: Economic Restructuring, Technology Transfer and Human Resource Development, Response Books, New Delhi

15	United Nations Development Programme (2005); 'Course Curriculum on Human Development-An Outline', New Delhi

Websites:	
1	https://www.undp.org/sustainable-development-goals?c_src=CENTRAL&c_src2=GSR
2	https://hdr.undp.org/en/2020-report
3	https://www.un.org/millenniumgoals/
4	https://www.undp.org/india/publications/national-human-development-report-india
5	https://www.sdgfund.org/mdgs-sdgs

Journals	
1	Indian Journal of Training and Development
2	HRD Newsletter (NHRD Network)
3	American Journal of Training and Development

Semester IV

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: Acquire knowledge on the circular flow of income in two sectors, three and four-sector model
CO2: Understand and learn the calculation of national income
CO 3: Appreciate the classical and Keynesian theory of Employment
CO 4: Understand the concepts of multiplier and accelerator and leaning the simple Calculation on the working of Multiplier and Accelerator
CO 5: Acquire knowledge of the determinants of the Investment function

Contents			**42 Hrs.**
Unit 1	Introduction to Macro Economics and National Income Accounting		**14 hours**
	Chapter 1	Introduction to Macro Economics • Meaning, • Importance and limitation • Meaning of stock and flows	3 hrs
	Chapter 2	**Circular Flow of Income** • The importance of the circular flow model • Two sectors Model, • Three sectors Model • Four sectors Model	5 hrs.
	Chapter 3	**National Income Accounting** • National income accounting: meaning and definition- Accounting Concepts, importance, • Methods and difficulties in measuring national income- ways to increase national income- empirical problems – calculation of national income. • GNP and Quality of life- • Green accounting.	6 hrs
Practicum:			
a) Assignment on the Circular flow of Income in two, three and four sector model			
b) Work out the numerical exercise on the calculation of National Income			

Unit 2		Theory of Income Determination	20 hours
	Chapter 4	**The Classical theory of Employment** • Features; and Assumptions • Say's Law; • Pigou's wage-price flexibility • Classical dichotomy and neutrality of money • Critical Evaluation	6hrs
	Chapter 5	Keynesian Framework • Some Basic concepts: The idea of equilibrium and identity ex-ante and ex-post concepts. • Aggregate Demand and its components • Aggregate Supply: Meaning and graphical explanation; • Effective demand	4hrs
	Chapter 6	Keynes Consumption function: • Consumption Function: Algebraic and Graphical explanation; • Marginal and Average propensity to consume • Determinants of consumption function	5hrs
	Chapter 7	Keynes's Investment function; • Investment function: • Autonomous and Induced • Determinants of Investment function: rate of interest and the marginal efficiency of capital (MEC) • Factors influencing MEC • MEI and Capital Accumulation,	5hrs
Practicum: • Graphical and Algebraic explanation of the psychological law of consumption • Seminar on the effective demand • Leaning the simple numerical calculation of MEC taking a hypothetical example			
Unit 3		**Concepts of Multiplier and Accelerator**	8 hrs
	Chapter 8	**Investment Multiplier** • Investment Multiplier: Meaning, • Assumptions • The process of working • leakages • Criticism	4 hrs
	Chapter 9	**Accelerator and Super Multiplier** • Accelerator: Meaning • Assumptions • The process of working • Limitations and Criticisms • Interaction of Multiplier and Accelerator	4 hrs

Practicum:

- Leaning the simple numerical calculation of the working of the Investment Multiplier
- Leaning the simple numerical calculation of the working of the Accelerator
- Group discussion on the interaction of Multiplier and Accelerator and its application.

References

1. Ahuja H.L. (2019), Macro Economics Theory and Policy, S. Chand and Company.
2. Branson William H. (1997), Macro Economics Theory and Policy, Harper Collins India Pvt. Ltd.
3. Dernburg and McDougal (1985), Macro Economics, McGraw Hill Education, New York
4. Gupta G.S. (2008), Macro Economics: Theory and Applications, Tata McGraw Hill Education
5. Lindauer John (2012) Macro Economics,4th Ed Universe Inc. Bloomington, USA
6. Jinghan M.L. Macro-Economic Theory, Vinda Publication Pvt. Ltd. New Delhi
7. Samuelsson Paul A. Nordhaus W.D. (2010), Macro Economics, McGraw Hill Publication
8. Seth M.L. (2017), Macro Economics, Laxminarayan Agarwal Publication

Semester IV

Course Title	Statistics for Economics			
Course Code:	**DSC-4.2.1**		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 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

Contents	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

Pedagogy: Classroom lecture, tutorials, Problem solving exercise

	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

Course Title	Monetary Economics			
Course Code:	DSC-4.2.2		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: Acquire knowledge of the supply and demand of Money CO2: Understand and interest in determination theories. CO 3: Appreciate the Implications for Monetary Management CO 4: Understand the relationship between inflation and unemployment CO 5: Acquire knowledge of the working of business cycles	

Contents			42 Hrs.
Unit 1	Money and the Economy		14 Hrs.
	Chapter 1	**Money Supply:** • Definitions of Money supply; • Money supply and Value of Money; • Classical and Keynesian views on the supply of money, • Determinants of money supply, • High-powered money, • money multiplier • The reserve ratio and deposit multiplier	6 hrs.
	Chapter 2	**Definition of money supply in India** • Money supply measures by RBI ○ M1, M2, M3, M4 • Liquidity Aggregates – L1, L2, and L3 • Trends of Money Supply in India	3 hrs.
	Chapter 3	**Demand for Money** • Meaning and Importance • The Classical Approach, • The Keynesian Approach, • Liquidity preference, • The Post- Keynesian Approaches • Friedman's Theory of the Demand for Money	5 hrs.

Practicum:			
• Work out the numerical exercise on the working of the money multiplier • Assignment on Classical and Keynesian views on the Supply of money			
Unit 2	**Module: Interest Rate theories and Interest Rates**		**12 hours**
	Chapter 4	**Theories of Interest Rate determination** 1. Classical Theory of Interest 2. Neo-Classical or the loanable fund's theory of interest, 3. Keynes's liquidity preference theory of interest 4. Modern theories of interest; IS-LM Curve Approach	7 hrs.
	Chapter 5	**Interest Rates** • Interest rate and investment, Income and output • Heterogeneity of Interest Rate Determination: Administered Interest Rates and Market Determined Interest Rates • Interest rates and Demand for Money	5 hrs.

Practicum:			
• Visit a commercial bank or cooperative bank and learn the interest rates for various loans and write an assignment • Write the assignment on interest determination theories.			
Unit 3	**Inflation, Monetary Policy and Business Cycle**		16 Hrs.
	Chapter 6	**Inflation** • Definitions of Inflation, • causes of Inflation, • Types of Inflation-demand push inflation and cost-push inflation; inflationary gap; • Effects of Inflation, • Measures to control Inflation • Relationship between inflation and unemployment- The Philips curve-short and long run	6 hrs.
	Chapter 7	**Monetary policy** • Monetary policy: Meaning, objectives • Measures of Monetary policy • The Time Lags in the Monetary Policy • The efficiency of Monetary Policy • Implications for Monetary Management. • Limitations of Monetary Policy • Monetary policy in India and control of Inflation	6 hrs.
	Chapter 8	**Business Cycles** • Meaning, • Types of the business cycle, • Features of the business cycle • Phases of the businesscycle; • Control of Business Cycles.	4 hrs.

Practicum:
- Visit the market for four successive weeks on scheduled dates and see the change in the select food items and write an assignment.
- Derive the graphical model showing the relationship between unemployment and inflation using the short-run Phillips curve and the long-run Phillips curve

References
1. Crowther Geoffrey (1940), An Outline of Money, Thomas Nelson and sons Ltd. London
2. Dernburg and McDougal (1985), Macro Economics, McGraw Hill Education, New York
3. Gupta S.B. (2010), Monetary Economics, S. Chand and Company.
4. Hanson Alvin H. (1949), Monetary Theory and Policy, McGraw Hill Publication
5. Hanson J.L. (1970), Monetary Theory and Practice, McDonald's and Evans Ltd. London
6. Schumpeter J.A. (1939), Business Cycles, McGraw Hill Publication
7. Seth M.L. (2017), Macro Economics, Laxminarayan Agarwal Publication
8. Vaish M.C. (2009). Monetary Policy, Vikas Publishing House New Delhi

Semester IV

Course Title	Karnataka Economy			
Course Code:	**OE 4.3.1**		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 the nature of economic growth and problems of Karnataka state.

CO2. Explain the process of structural growth in Karnataka's 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 o Features of Karnataka Economy o Trends and sectoral distribution of State Domestic Product and Per Capita Income o Measures to redress regional imbalances – Dr. Nanjundappa Committee Report, Article 371J	5
Chapter 2: Human Resources o Human Resources: importance, Size and Health indicators o Human Development Index o Poverty and Unemployment– Eradication Programmes	4
Chapter 3: Natural Resources Management o Natural Resources: Importance and volume of different natural resources o Karnataka Environmental Policy	3
Practicum: conduct a field visit to Forest/Reservoir/Mining and prepare the report	
Unit -2: Agriculture, Rural Development, and Industries in Karnataka	**18 Hrs**
Chapter-4: Agriculture o Problems in Agriculture o Land Reforms	7

o Cropping Pattern	
o Irrigation: importance, important irrigation projects and watershed development projects.	
o Farmers Suicide – Causes and Solutions	
Chapter 5: Rural Development	4
o Public Distribution System	
o Rural Development Programmes (brief)	
o Government Schemes for Rural Women	
Chapter 6: Industries in Karnataka	
o Major Industries in Karnataka - Problems and Prospects	
o MSMEs - Problems and Measures	7
o IT Industries in Karnataka	
o Industrial Finance in Karnataka	
o Industrial Policy of Karnataka	

Practicum: visit industrial units in the 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	
o Transportation: Road, Rail, Water and Air Transport	3
o Information and Communication Technology Facilities	
Chapter 8: Social Infrastructure	
o Drinking Water	
o Housing and Sanitation	4
o Health and Education	
o Rural Electrification	
Chapter-9: State Finance	
o Sources of Revenue: Direct and Indirect Taxes	
o Impact of GST on Karnataka economy	
o State Expenditure	5
o State Finance Commission	
o Current State Budget (Brief)	

Practicum: Discussion on State budget

Pedagogy

	References
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, NewDelhi.
5	Adul Aziz and K.G. Vasanti. (Eds) Karnataka Economy.
6	Government District Development Reports
7	Hanumantha Rao. Regional Disparities and Development in Karnataka.
11	Puttaswamiah K. Karnataka Economy, Two Volume

Semester IV

Course Title	Entrepreneurial Economics			
Course Code:	**OE 4.3.2**		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. 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 manger, 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.

Pedagogy: Classroom lectures, tutorials, Problem-solving exercise

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.
7	Desai, Vasant. Dynamics of Entrepreneurial Development and Management. Mumbai, Himalaya Publishing House
8	Plsek, Paul E. Creativity, Innovation and Quality (Eastern Economic Edition), New Delhi:Prentice-Hall of India.
9	Singh, Nagendra P. Emerging Trends in Entrepreneurship Development. New Delhi: ASEED.
10	Entrepreneurship Development and Business Ethics - M K Nabi, K C Rout, Vrinda Publications (P) Ltd
11	Robert Hisrich and Michael Peters, Entrepreneurship, Tata Mc Graw– Hill Vasant Desai, Entrepreneurship
12	Marc J Dollinger, Entrepreneurship – Strategies and Resources, Pearson Education
13	Venkateshwara Rao and Udai Pareek,(Eds)Developing Entrepreneurship-A Handbook
14	Ravi J. Mathai, Rural Entrepreneurship A Framework in Development Entrepreneurship –Ahandbook

Semester IV

Course Title	Economics and Law			
Course Code:	OE 4.3.3		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. Comprehend the basic economic issues affecting the economy along with the related legal provisions

CO2. Acquire knowledge on the basic provisions of law relating to consumer activities, business organizations, environment

CO3. To appreciate the understanding the law framework in order to frame the economics model closer to reality.

CO4. To enable the students to understand the consequences of legal rules, primarily as an exercise in applied microeconomics, macroeconomics, industrial and international economics.

Contents	42 Hrs
Unit–1: Economic analysis of law	**14 Hrs**
Chapter 1: Introduction to legal reasoning • Efficiency. • Markets and efficiency. • Market failure. • Coase theorem and related ideas,	5
Chapter 2: welfare economics • Compensation principles. • Social welfare function. • Maximization problem;	4

Chapter 3: Economic Reasoning	5
• Nature of economic reasoning.	
• Economic approach to law	
• History	
• Criticism.	

Practicum:
1. Group Discussions on Economic reasoning
2. Assignment on Coase theorem and related issues

Unit -2: An Introduction to Law and Legal Institutions	**12 Hrs**
Chapter 4: Law	4
• Definition	
• Territorial Nature of Law	
• Kinds of Law	
• General Law and Special Law	
• Kinds of Special Law	
Chapter 5: Civil law and the and the Common Law Traditions	4
• The institutions of the federal and State Court systems;	
• The nature of legal dispute,	
• How legal rules evolve.	

Practicum:
1. Group Discussions on Civil law and the and the Common Law Traditions
2. Assignment on the different kinds of Law

Unit -3: Economic Laws	**16 Hrs**
Chapter 6: Law Relating to Consumer Activities	5
• Bargaining theory.	
• Economic theory of contract.	
• Defining tort law,	
• Economics of tort liability.	
• Definition of Consumer	

• Consumer protection; The Consumer Protection Act, 2019 • Consumer courts.	
Chapter 7: Law of Business Organizations • Structure of firm — Kinds, Corporations, • Capital, Shares, Debentures, Insiders' trading, • RBI, IRDA, MRTP, Role of SEBI,	5
Chapter 8: Macroeconomics and Law • Inequality; Contract theory of Distributive justice • Economic and social costs of poverty • Wealth distribution by Liability Rules • Taxation and efficiency • National and global environmental problems and international environmental agreements — their legal and economic implications	6
Practicum 1. Hold the moot court in the classroom and let there be a discussion consisting of at least two or moredifferent views on National and Global environment problems and acts 2. Discuss the case studies on the Economic and social costs of poverty and consumer court judgements protecting the consumers	

Pedagogy: Classroom lecture, tutorials, Problem solving exercise

Note: Strictly follow the Practicum

References	
1	Bouckaert, B. and G. De Geest (Ed.) (1999), Encyclopaedia of Law and Economics, (Volume I to V), Edward Elgar Publishing Ltd., U.K.
2	Cooter, R.D. and T.S. Ulen, (2000), Law and Economics, (3rd Edition), Addison Wesley, New York.
3	Dan-Schmidt, K.G. and T.S. Ulen (Ed.) (2000), Law and Economic Anthology, Addison Wesley, New York.
4	Newman, P. (Ed.) (1998), The New Palgrave Dictionary of Economics and Law, Stockton Press, New York.
5	Oliver, J.M. (1979), Law and Economics, George Allen and Unwin, London.
6	Posner, R.A. (1998), Economic Analysis of Law, (5th Edition), Little Brown, Boston.
7	Posner, R.A. and F. Parisi (Eds.) (1997), Law and Economics, Edward Elgar Publishing Ltd., U.K.
8	Massey, I.P. (1995), Administrative Law, Eastern Book Company, Lucknow.
9	Indian Law Institute, Annual Survey of Indian Law, Indian Law Institute, New Delhi.

Semester IV

Course Title   Economics of GST

Course Code:	OE 4.3.4	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.   Acquire knowledge on   indirect taxes with special reference to GST

CO2.   Acquire the theoretical and application knowledge of GST and its Evolution in India

CO3.   To enable the students to understand the GST Law, ITC, Valuation of supply and returns

CO4.   Simple calculation of GST and Input Tax Credit, Valuation of Supply (Numerical on valuation and calculation of tax)

Contents	42 Hrs
Unit–1: Introduction to Economics of GST	**14 Hrs**
Chapter 1: Indirect taxes before GST • Indirect Taxes-Meaning, Types with examples • Constitutional framework of Indirect Taxes before GST (Taxation Powers of Union & State Government) • Concept of VAT: Meaning, Variants and Methods;	5
Chapter 2: Reforms in Indirect Taxes • Major Defects in the structure of Indirect Taxes before GST; Need for Tax reforms • Kelkar committee on Tax Reforms	4
Chapter 3: Introduction to GST • Rationale for GST; • Constitution [101st Amendment] Act, 2016; • GST- Meaning, Overview of GST • Taxes subsumed under GST • Territorial Jurisdiction of GST	5

• Multiple rates of GST	
• Recent reforms in GST	

Practicum:	
1. Group Discussions on Indirect Taxes defects prior to GST	
2. Assignment on Types of Indirect Taxes prior to GST and After the introduction of GST	

Unit – 2 Fundamentals of GST	12 Hrs
Chapter 4: GST Structure in India,	4
• GST: Advantages and Disadvantages	
• One Nation-One Tax,	
• Structure of GST;	
• Features of Single and Dual GST Model	
Chapter 5: Dual GST Mode and GST Council	4
• Dual GST Mode in India: l SGST, CGST, UTGST & IGST);	
• Goods and Services Tax Network [GSTN],	
• GST Council; Creation, Members, Decisions, Compensation to states.	
• GST Network,	
• Registration,	
Practicum:	4
1. Group Discussions on advantages and disadvantages of GST	
2. Hold the moot of GST Council in the class room and decide the different slabs of GST	
Unit -3: Taxes and Duties	16 Hrs
Chapter 6: Transactions and taxes covered and not covered	4
• Transactions and taxes covered under GST	
• Taxes and duties outside the purview of GST	
• Tax structure Computation	
• Administration of Tax on items containing alcohol, petroleum products, tobacco products	
• Taxation on services	

Chapter 7: Levy and Collection of Tax • Taxable event- "Supply" of Goods and Services • Place of Supply: Within state, Interstate Levy and Collection • Import and Export; Time of supply • Valuation for GST- Valuation rules, • Taxability of reimbursement of expenses; Exemption from GST: Small supplies and Composition Scheme Classification of Goodsand Services: Composite and Mixed Supplies.	6
Chapter 8: Input Tax Credit • Eligible and Ineligible Input Tax Credit • Apportionments of Credit and Blocked Credits • Tax Credit in respect of Capital Goods • Recovery of Excess Tax Credit • Availability of Tax Credit in special circumstances • Transfer of Input Credit (Input Service Distribution) • Payment of Taxes; Refund; Doctrine of unjust enrichment	6

Practicum

1. Simple illustrations on the calculation of GST and Input Tax Credit,

2. Valuation of Supply (Numerical on valuation and calculation of tax)

3. Simple calculation Adjustment of an Input tax credit against output CGST, SGST, IGST.

Pedagogy: Classroom lectures, tutorials, Problem-solving exercise

Note: Strictly follow the Practicum

References	
1	The Central Goods and Services Tax, 2017
2	The Integrated Goods and Services Tax, 2017
3	The Union Territory Goods and Services Tax, 2017
4	The Goods and Services Tax (Compensation to States), 2017
5	The Constitution (One hundred and First Amendment) Act, 2016
6	Gupta, S.S. , *GST- How to meet your obligations (April 2017),* Taxmann Publications
7	Datey,V.S. (2019) . *Indirect Taxation*. New Delhi *Vastu and Sevakar Vidhan* by Government of India
8	Mehrotra, H.C. & Goyal, S.P.(2019), Indirect Taxes, Agra: Bhawan Publications.

BSC Economics III and IV Semester Syllabus
From Academic year 2022-23 onwards

(As per NEP 2020)

B SC Honors Economics Syllabus – 2022-23 onwards

SEM	Type of Course	Course / Paper Title (All theory papers)	Instruction hour per week	Total hours of Syllabus / Sem	Duration of Exam	Formative Assessment (Internal) Marks	Summative Assessment (Sem End) Marks	Total Marks	Credit
III	DSC 3.1	**Factor pricing and Welfare Economics**	3 hrs	42	2 hrs	40	60	100	03
	DSC 3.2	**Basic Econometrics**	3 hrs	42	2 hrs	40	60	100	03
	OE 3.3.1	**Rural Economics**	3 hrs	42	2 hrs	40	60	100	03
	OE 3.3.2	**Economics of Insurance**	3 hrs	42	2 hrs	40	60	100	03
	OE 3.3.3	**Economics of Human Development**	3 hrs	42	2 hrs	40	60	100	03
IV	DSC 4.1	**Monetary Economics**	3 hrs	42	2 hrs	40	60	100	03
	DSC 4.2	**Time Series Econometrics**	3 hrs	42	2 hrs	40	60	100	03
	OE 4.3.1	**Karnataka Economy**	3 hrs	42	2 hrs	40	60	100	03
	OE 4.3.2	**Entrepreneurial Economics**	3 hrs	42	2 hrs	40	60	100	03
	OE 4.3.3	**Economics and Law**	3 hrs	42	2 hrs	40	60	100	03
	OE 4.3.4	**Economics of GST**	3 hrs	42	2 hrs	40	60	100	03

Semester III

Course Title   ***Factor pricing and Welfare Economics***

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 the meaning of factor incomes and factor pricing.	
CO2. Recognize basic supply and demand analysis of factors in perfect and imperfect market situations.	
CO3. Understand the meaning of social welfare and the means to maximize it.	
CO4. Identify causes inhibiting the attainment of maximum social welfare.	
CO5. Explain the meaning and significance of general equilibrium	
CO6. Recognize the causes of market failure.	
CO7. Identify problems related to asymmetric information.	
CO8. Analyse the need for government intervention in economic activities.	
Contents	**42 Hrs**
Unit–1: Factor Pricing	**18 Hrs**
Chapter:1 Meaning and Significance of factor pricing - Functional (factor) and personal incomes - Demand and Supply of Factors of Production in Perfect and Imperfect Competitive Markets.	3
Chapter:2 Factor pricing in perfectly competitive markets - Marginal productivity theory of factor pricing	2
Chapter:3: Factor pricing in imperfectly competitive markets - Monopsony power: Trade Unions and wage determination - Bilateral monopoly	3
Chapter:4: Theories of wages, rent, interest, and profits (Brief conceptual discussion): **Rent**: Ricardian Theory, Modern Theory, and Quasi Rent. **Wages**: Subsistence Theory, Wage-Fund Theory, Residual Claimant Theory, Marginal Productivity Theory and Modern Theory. **Interest**: Classical Theory - Keynesian Liquidity Preference Theory	10

Profit: Dynamic Theory, Innovation Theory, Risk-bearing Theory and Uncertainty bearing Theory	
Practicum • Collecting information on labour supply to understand the reasons for its backward bending • Describing the graphs used in Chapter2 • Describing the graphs used in Chapter3 • Conducting class seminars about the above theories	
Unit -2: General Equilibrium	**6 Hrs**
Chapter 5 Circular flow - Partial and general equilibrium - General equilibrium in production and exchange (Edgeworth box and Pareto optimality in consumption and production) - Walrasian general equilibrium analysis	6
Practicum: Reading and describing the graphs used	
Unit -3: Welfare Economics	**18 Hrs**
Chapter 6: Individual welfare and social welfare – Pigou's Welfare Economics - Social welfare function – Kaldor-Hicks Compensation criteria - Arrow's impossibility theorem - Theory of second best.	7
Chapter 7: Market failure – Meaning of Market Efficiency – Reasons for Market Failure - Externalities, public goods, property rights and Coase Theorem	4
Chapter 8: Asymmetric information - Meaning - adverse selection, moral hazards, agency problems	3
Chapter 9: Government Intervention – Need for Public Policy - Price ceiling, floor - Taxes, subsidies, Tariffs and quotas - production, import and export quotas – Economics Justification for Welfare Schemes	4
Practicum: • Conducting surveys to understand the notion of welfare • Collecting information on various sources of market failure • Documenting the causes and consequences of adverse selection and moral hazards in the day-to-day life of students • Preparing a list of government programmes and giving justification for it from the point of view of Economics	

Pedagogy: Classroom lecture, tutorials, Problem solving exercise

Note: Strictly follow the Practicum

	References
1	Ahuja, H.L. (2008): *Principles of Microeconomics*, S. Chand and Co., New Delhi
2	Mankiw, N. Gregory (2020). *Principles of Economics* (Ninth ed.). Boston, MA.
3	Jhingan, M.L. (2016): *Microeconomics*, Vrinda Publications, New Delhi
4	Koutsoyianis, A (1979): *Modern Microeconomics,* London, Macmillan
5	Omkarnath, G. (2012: *Economics: A Primer for India*, Orient Blackswan, Hyderabad
6	Salvatore, Dominick (2008) Microeconomics Theory and Applications, Oxford University Press, New York
7	Samuelson, Paul (2004): *Economics*, McGraw-Hill, New Delhi
8	https://www.core-econ.org/the-economy/book/text/0-3-contents.html

Semester III

Course Title	Basic Econometrics			
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. The students will be able to carry out ordinary least square regressions

CO2. as well as multiple regressions, which are at the very foundation of quantitative economic analysis.

CO3. The course is designed to make students familiar with more complex cases where the standard assumptions of the classic linear regression may not hold.

Contents	42 Hrs
Unit–1: Nature and Scope of Econometrics	**12 Hrs**
Chapter:1 Introduction to Econometrics: Meaning of Econometrics, Nature and scope of Econometrics- relationship with economics, mathematics and statistics Methodology of econometrics-Types of Econometrics	4
Chapter:2 Understanding Regression Model: The Historical Origin of the Term Regression- Modern Interpretation of Regression-Scatter Diagram-Regression Line- Statistical versus Deterministic Relationships-Regression versus Causation-Regression versus Correlation-Terminologies	4
Chapter:3 Two Variable Regression Analysis: Basic Idea-Conditional Mean-Conditional Probability-Population Regression Function (PRF)-Meaning of Linearity-Stochastic Specification of PRF-Significance of Error Term-Sample Regression Function	4
Unit -2: Regression Model: The Problem of Estimation	**14 Hrs**
Chapter 4 Method of Estimation: The Method of Ordinary Least Square-Point Estimator- Interval Estimator-Classical Linear Regression Model Assumptions-Properties of Least Square Estimators: The Gauss-Markov Theorem	4

Chapter-5: Estimation and Validation: Coefficient of Determination-Explained Sum of Squares-Residual Sum of Squares-Total Sum of Squares; Hypotheses Testing: precision of estimators- standard error-t-test- testing significance Individual Coefficients-Level of Significance	5
Chapter-6: Multiple Regression Analysis: Three Variable Regression Model-Estimation-Interpretation-Validation: Individual Coefficients (t-test)- Overall Significance (F-test) Model Fit: R-Squared and Adjusted R-Squared	5
Unit -3: Relaxing CLRM Assumptions and Advanced Regression Models	**16 Hrs**
Chapter 7-The Problems in Regression Model: Multicollinearity: Nature-Identification-Consequences-Detection- Remedial Measures; Heteroscedasticity: Nature-Identification-Consequences-Detection- Remedial Measures; Autocorrelation: Nature-Identification-Consequences-Detection- Remedial Measures	6
Chapter 8 Dummy Variable Regression Models: Nature of Dummy Variables – Specification of Dummy – Dummy Variable Trap – ANOVA – ANCOVA Models	6
Chapter 9 : Simultaneous Regression Model: Nature-simultaneous equation bias-Inconsistency of OLS estimators –Structural and Reduced form equations – Identification Problem- Under – Exact – Over identification –Rules of identification- Order and Rank condition- Introduction to methods of estimation-ILS-2SLS-IV-LIMLE-SUR-3SLS- FIMLE	4

Pedagogy: Classroom lecture, tutorials, Problem solving exercise

	References
1	Studenmund A. H., "Using Econometrics: A practical Guide", Pearson Education, 7th Ed,2017
2	Stock, J. H. and Watson, M. W., "Introduction to Econometrics", Pearson, 3rd Ed, 2015.
3	Brooks, C., "Introductory Econometrics for Finance", Cambridge University press, 4th Ed,2019
4	Baum, C. E., "An Introduction to Modern Econometrics Using Stata", Stata Press, 2006.
5	Gujarati, D. N., "Econometrics by Example", Red Globe Press, 2nd Ed, 2014
6	Koutsoyiannis, A, Theory of Econometrics
7	Wooldridge, J. M., "Introductory Econometrics: An Introductory Approach", Southwestern, Cengage Learning, 5th Ed, 2013
8	Gujarati, D. N., Porter D.C., Gunasekar S., "Basic Econometrics", Mc Graw Hill, 5th Ed, 2012
9	MarnoVerbeek, 2017,"A Guide to Modern Econometrics", John Wiley & Sons, Ltd, 5th Edition.
10	Enders, W., "Applied Econometric Time Series", Wiley 4th Edition, 2018.
11	Baltagi, B.H. "Econometric analysis of panel data", John Wiley and Sons, 5th Edition,2013
12	Pindyck, R.S. and Rubin Feld, D.L., "Econometric Models and Economic Forecasts" 4th Ed
13	Jeffrey M. Wooldridge Econometric Analysis of Cross Section and Panel Data, MIT Press

Semester III

Program Name	BSc in Economics	Semester	Third Semester
Course Title	**Rural Economics**		
Course Code:	**OE-3.3.1**	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	5
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.	

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	5
Meaning and Importance, Classification of MSME	
Progress and Problems of MSME	
Khadi and Village Industries	
Chapter-5: Rural Banking and Finance	4
Credit Co-operative Societies	
Regional Rural Banks	
Role of NABARD	
Microfinance Institutions	
Chapter-6: Rural Infrastructure	5
Educational and Health Infrastructure	
Housing and Sanitation	
Drinking Water Supply	
Rural Transport and Communication	
Rural Electrification	

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 a brief note on their participation in rural development. • Undertake an evaluation study on rural development programmes and prepare an assignment.	

Pedagogy: Classroom lecture, tutorials, Problem solving exercise

Note: Strictly follow the Practicum

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, NewDelhi.
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 andStrategies, 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.

Semester III

Program Name	BSc in Economics	Semester	Third Semester
Course Title	Economics of Insurance		
Course Code:	OE-3.3.2	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. Gain knowledge relating to the importance of insurance in the life of human beings. C02. Acquaint with the conceptual framework of Insurance C03. Understand the Fundamentals of Life and Health Insurance, functions of Life and Health Insurance C04. Gain Knowledge relating to Insurance Documentation and Insurance legislation	
Contents	**42 Hrs**
Unit–1: Introduction to Economics of Insurance	**14**
Chapter:1 - Fundamentals of Economics of Insurance ➥ Definition of Insurance ➥ Scope of economic insurance ➥ Importance of insurance	4
Chapter:2 - The conceptual framework ➥ Brief history of insurance ➥ Perils and risks in insurance, Classification of risks hazards ➥ How insurance works ➥ Classes of insurance and assumptions	5
Chapter:3 - Type of Insurance ➥ Risk pooling and risk transfer in insurance ➥ Social vs private insurance ➥ Life vs non-life insurance	5
Unit -2: Insurance Planning	**14**

Chapter 4- Types of Insurance Planning	**4**
➤ Wealth accumulation plan lifecycle planning ➤ Planning for wealth accumulation ➤ Tax advantage and tax non-advantage	
Chapter-5: Retirement Planning	**5**
➤ Essential of individual retirement planning ➤ Investing pension plan, basic principles of pension plans ➤ Pension plans in India	
Chapter-6: General Insurance Structure	**5**
➤ General Insurance, concept of General Insurance ➤ Types of General Insurance, Marine Insurance, Motors Insurance, Agricultural Insurance ➤ Fire Insurance, Personal Accident Insurance	
Unit -3: personal insurance / Health Insurance	**14 Hrs.**
Chapter 7- Essential of Life and Health Insurance	**3**
➤ Fundamentals of Life and Health Insurance, functions of Life and Health Insurance ➤ Health Insurance and Economic Development, Insurance and Farmer Security	
Chapter 8 - Insurance Documentation	**3**
➤ Health Insurance products, Health Insurance underwriting ➤ Health Insurance claims	
Chapter 9 - Insurance Legislation	**8**
➤ 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 ofinsurance regulation in India ➤ Insurance Reforms Development Authority (IRDA), performance of IRDA ➤ Indian Insurance in global platform, future potential in Indian Insurance Business	

References	
1	Bailey, R. (Ed.) (1999), Underwriting in Life and Insurance, LOMA, Atlanta, Ga.
2	Bhole, L.M. (1990), The Indian Financial System, Tata McGraw Hill, New Delhi.
3	Bickelhaupt, D.L. (1992), General Insurance, Irwin Inc., Burr Ridge, Ill.
4	Black, K. Jr. and H.D. Skipper Jr. (2000), Life and Health Insurance, Prentice Hall, Upper Saddle River, New Jerssey.
5	Finsinger, J. and M.V. Pauly (Eds.) (1986), The Economics of Insurance Regulation : A Cross National Study, Macmillan, London.
6	Graves, E.E. and L. Hayes (Eds.) (1994), McGill's Life Insurance, The American College, Blyn Mawr, Pa.
7	Head, G.L. and S. Horn II (1991), Essentials of Risk Management, Volume I, Insurance Institute of America, Malvern, Pa.
8	Skipper, Jr., H.D. (Ed.) (1998), International Risk and Insurance : An Environmental Managerial Approach, Irwin McGraw Hill, Boston.
9	Tacchino, K.B. and D.A. Little (1993), Planning for Retirement Needs, The American College, Bryn Mawr, Pa.

Program Name	BSc in Economics		Semester		Third Semester
Course Title	**Economics of Human Development**				
Course Code:	**OE-3.3.3**		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

Pedagogy: Classroom lectures, tutorials,Problem-solving exercise

	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 Gopal, 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), ICFAIUniversity Press
8	Papalia, D.E. , Olds, S.W. and Feldman, R.D. (2006), Human development.9th Ed. New Delhi: Tata McGraw- Hill.
9	Rao, T.V and Pareek, Udai (2005) Designing and Managing Human Resource Systems, Oxford IBH Pub. Pvt.Ltd., New Delhi.
10	Rao, T.V: Readings in HRD, Oxford IBH Pub. Pvt. Ltd., New Delhi,
11	Virmani, B.R and Seth, Parmila: Evaluating Management Development, Vision Books, New Delhi.
12	Rao, T.V. (et.al)(2003) HRD in the New Economic Environment, Tata McGraw-Hill Pub.Pvt, Ltd., New Delhi,
13	Rao, T.V: Human Resource Development, Sage Publications, New Delhi.

14	Viramani, B.R and Rao, Kala: Economic Restructuring, Technology Transfer and Human Resource Development, Response Books, New Delhi
15	United Nations Development Programme (2005); 'Course Curriculum on Human Development-An Outline', New Delhi

Websites:	
1	https://www.undp.org/sustainable-development-goals?c_src=CENTRAL&c_src2=GSR
2	https://hdr.undp.org/en/2020-report
3	https://www.un.org/millenniumgoals/
4	https://www.undp.org/india/publications/national-human-development-report-india
5	https://www.sdgfund.org/mdgs-sdgs

Journals	
1	Indian Journal of Training and Development
2	HRD Newsletter (NHRD Network)
3	American Journal of Training and Development

Program Name	BSc in Economics		Semester	Fourth Semester
Course Title	Monetary Economics			
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 operation of the overall monetary economy and money

CO2. What constitutes supply and demand for money as well as theories and approaches.

CO3. Monetary policy and inflation and its impact on the welfare

Contents	42 Hrs
Unit–1: Introduction to money and monetary economics	**15 Hrs**
Chapter:1 Introduction: ➤ Theoretical and empirical definition of money ➤ Role and Functions of Money ➤ Paper currency – system of Note issue ➤ weighted monetary aggregates	5
Chapter 2: Money demand and supply ➢ Concepts of supply and demand for money ➢ Microeconomic determinants of the demand for money and macroeconomic money demand functions ➢ Financial intermediaries, banks, and money creation ➢ Money supply and price level ➢ Determinants of money supply ➢ High powered money ➢ Money multiplier ➢ The reserve ratio and deposit multiplier	10

Unit -2: Theories and approaches of demand for and supply of money	15 Hrs
Chapter-3: Theories of demand for money and supply: ➢ Tobin's portfolio selection and Baumol's transaction demand for money ➢ Friedman's restatement of quantity theory of money ➢ Endogenous money supply, Kaldor's theory	8
Chapter-4: Approaches - demand for money and supply: ➢ Laidler's buffer stock approach ➢ Gurley-Shaw's approach ➢ Behavioural approach of money supply	7
Unit -3: Inflation and Monetary Policy	**12 Hrs**
Chapter-5: Inflation: ➢ Inflation – Types – causes – effects and Remedies ➢ Monetarist view on Inflation-Concept of core inflation ➢ measures of inflation (CPI, WPI, Core, Headline, GDP deflator) ➢ Monetary Targeting-Inflation targeting ➢ Interest rate targeting-p-star model ➢ Rule vs. discretion in the conduct of monetary policy ➢ central bank's -measures of monetary control	5
Chapter-6: The welfare effects of inflation and monetary policy: ➢ Neutrality and super neutrality of money, welfare costs, and the inflation tax ➢ The Classical model, flexible price economies and monetary policy ➢ Rational expectations, representative agents and real business cycle theory. MIU, CIA, Lucas supply functions and the effects of monetary policy. ➢ The new Keynesian approach to monetary policy — nominal rigidities: ➢ New Keynesian Phillips curve, IS Curve, Taylor rules, financial accelerator models.	7

Pedagogy: Classroom lecture, tutorials, Problem solving exercise

	References
1	Chandler, L. V. and S. M. Goldfeld, The Economics of Money and Banking, Harper &
2	Row, New York, 1977.
3	M.L.Seth - Money Banking and International Trade ,Tata McGraw Hill Company Ltd.,
4	New Delhi, 1999.
5	Gupta, S B, Monetary Economics Institutions and policy, S.Chand& Co., New Dehi,
6	1995.
7	Mithani.D - Money Banking and International Trade.
8	Patinkin, Money, Interest and Prices, Harper and Row, New York.
9	Khan M. Y., Indian Financial System, Tata McGraw Hill, New Delhi, 1996.

Semester IV

Program Name	BSc in Economics		Semester	Fourth Semester
Course Title	**Time Series Econometrics**			
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. Deal with comprehensive set of tools and techniques for analysing various forms of univariate and multivariate time series

CO2. Understand the current literature in applied time series.

CO3. Use statistical packages like STATA, E-views, SPSS and the like

Content of Theory	42 Hrs
Unit–1: Dynamic Econometric Models - Autoregressive and Distributed Lag Models	**12 Hrs**
Chapter:1 Role of lag in economics – Reasons for lag –distributed lag model – autoregressive model- Estimation of distributed lag models – Ad Hoc estimation – Koyck approach –mean lag-median lag	4
Chapter-2: **Rationalization of Koyck model** – Adaptive expectation model- stock adjustment or partial adjustment model –Combination of Adaptive expectation and partial adjustmentmodels.	4
Chapter-3: **Estimation of Autoregressive models**: Method of instrumental variables (IV)- detection of autocorrelation in autoregressive models – Durbin h test- The Almon Approach to Distributed-Lag Models: The Almon or Polynomial Distributed Lag (PDL)	4
Unit -2: Time Series Econometrics	**14 Hrs**
Chapter-4: Basic Concepts of Time Series: Stylised characteristics of time series data- Basic concepts of time series model- stochastic process-, Stationary Process, Non-stationary process- random walk model – random walk without drift- random walk with drift –random walk around stochastic trend	4
Chapter-5: Unit Root Tests: spurious regression – non-stationarity or unit root tests – Graphs – Autocorrelation function (ACF)-partial autocorrelation function (PACF) The Augmented	4

Dickey–Fuller (ADF) Test - The Phillips–Perron (PP) Unit Root Tests - A Critique of the Unit Root Tests- Transforming Nonstationary Time Series –difference stationary –Trend stationary.	
Chapter-6: Cointegration: Meaning – Regression of unit root time series – Testing for Cointegration – Engle-Granger two step test – Johansen test: maximum eigenvalue test Trace test-Phillips –Ouliaris three step test-Error correction mechanism	6
Unit -3: Time Series Econometrics: Forecasting	**16 Hrs**
Chapter-7: Approaches to Economic Forecasting: exponential smoothing – Single equation regression models – Simultaneous equation regression models – ARIMA models	3
Chapter-8: AR, MA, and ARMA and ARIMA Models: Autoregressive models (AR)- Moving average models (MA)-Autoregressive moving average models(ARMA)- Autoregressive integrated moving average models (ARIMA)	6
Chapter-9: Box-Jenkins (BJ) Methodology: Steps involved in BJ method – Identification: Autocorrelation function (ACF)-partial autocorrelation function (PACF) –Estimation-Diagnostic checking- Forecasting	7

Pedagogy: Classroom lecture, tutorials, Problem solving exercise

	References
1	Gujarati, D. N., Porter D.C., Gunasekar S., "Basic Econometrics", Mc Graw Hill, 5th Ed, 2012
2	Marno Verbeek, 2017, "A Guide to Modern Econometrics", John Wiley & Sons, Ltd, 5th Edition.
3	Enders, W., "Applied Econometric Time Series", Wiley 4th Edition, 2018
4	Baltagi, B.H. "Econometric analysis of panel data", John Wiley and Sons, 5th Edition,2013
5	Koutsoyiannis, A, Theory of Econometrics
6	Brooks, C., "Introductory Econometrics for Finance", Cambridge Universitypress, 4th
7	Edition, 2019
8	Baltagi, B.H. "Econometric analysis of panel data", John Wiley and Sons, 5thEdition,2013
9	Pindyck, R.S. and Rubinfeld, D.L., "Econometric Models and EconomicForecasts" 4th Ed
10	Jeffrey M. Wooldridge Econometric Analysis of Cross Section and PanelData, MIT Press
11	Wooldridge, J. M., "Introductory Econometrics: An Introductory Approach",SouthWestern, Cengage Learning, 5th Edition, 2013

Program Name	BSc in Economics		Semester	Fourth Semester
Course Title	**Karnataka Economy**			
Course Code:	**OE 4.3.1**		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 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
  o Features of Karnataka Economy
  o Trends and sectoral distribution of State Domestic Product and Per Capita Income
  o Measures to redress regional imbalances – Dr. Nanjundappa Committee Report, Article 371J
	5

Chapter-2: Human Resources
  o Human Resources: importance, Size and Health indicators
  o Human Development Index
  o Poverty and Unemployment– Eradication Programmes
	4

Chapter-3: Natural Resources Management
  o Natural Resources: Importance and volume of different natural resources
  o Karnataka Environmental Policy
Practicum: conduct a field visit to Forest/Reservoir/Mining and prepare the report
	3

Unit -2: Agriculture, Rural Development, and Industries in Karnataka	**18 Hrs**

Chapter-4: Agriculture
  o Problems in Agriculture
  o Land Reforms
	7

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

Pedagogy: Classroom lecture, tutorials, Problem solving exercise

Note: Strictly follow the Practicum

References	
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, NewDelhi.
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	Nanjundappa D.M. Some Aspects of Karnataka Economy.
9	Puttaswamiah K. Karnataka Economy, Two Volume

Semester IV

Program Name	BSc in Economics	Semester	Fourth Semester
Course Title	**Entrepreneurial Economics**		
Course Code:	**OE 4.3.2**	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 successfully completing 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 manger, 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.

Pedagogy: Classroom lecture, tutorials, Problem solving exercise

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.
7	Desai, Vasant. Dynamics of Entrepreneurial Development and Management. Mumbai, Himalaya Publishing House
8	Plsek, Paul E. Creativity, Innovation and Quality (Eastern Economic Edition), New Delhi:Prentice-Hall of India. ISBN-81-203-1690-8.
9	Singh, Nagendra P. Emerging Trends in Entrepreneurship Development. New Delhi: ASEED.
10	Entrepreneurship Development and Business Ethics - M K Nabi, K C Rout, Vrinda Publications (P) Ltd
11	Robert Hisrich and Michael Peters, Entrepreneurship, Tata Mc Graw– Hill Vasant Desai, Entrepreneurship
12	Marc J Dollinger, Entrepreneurship – Strategies and Resources, Pearson Education
13	Venkateshwara Rao and Udai Pareek, (Eds)Developing Entrepreneurship-A Handbook
14	Ravi J. Mathai, Rural Entrepreneurship A Framework in Development Entrepreneurship –A handbook

Program Name	BSc in Economics		Semester	Fourth Semester
Course Title	Economics and Law			
Course Code:	OE 4.3.3		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. Comprehend the basic economic issues affecting the economy along with the related legal provisions

CO2. Acquire knowledge on the basic provisions of law relating to consumer activities, business organizations, environment

CO3. To appreciate the understanding the law framework in order to frame the economics model closer to reality.

CO4. To enable the students to understand the consequences of legal rules, primarily as an exercise in applied microeconomics, macroeconomics, industrial and international economics.

Contents	42 Hrs
Unit–1: Economic analysis of law	**14 Hrs**
Chapter 1: Introduction to legal reasoning • Efficiency. • Markets and efficiency. • Market failure. • Coase theorem and related ideas,	5
Chapter 2: welfare economics • Compensation principles. • Social welfare function. • Maximization problem;	4
Chapter 3: Economic Reasoning • Nature of economic reasoning. • Economic approach to law • History • Criticism.	5
Practicum: 1. Group Discussions on Economic reasoning 2. Assignment on Coase theorem and related issues	
Unit -2: An Introduction to Law and Legal Institutions	**12 Hrs**

Chapter 4: Law • Definition • Territorial Nature of Law • Kinds of Law • General Law and Special Law • Kinds of Special Law	4
Chapter 5: Civil law and the and the Common Law Traditions • The institutions of the federal and State Court systems. • The nature of legal dispute, • How legal rules evolve.	4
Practicum: 1. Group Discussions on Civil law and the and the Common Law Traditions 2. Assignment on the different kinds of Law	
Unit -3: Economic Laws	**16 Hrs**
Chapter 6: Law Relating to Consumer Activities • Bargaining theory. • Economic theory of contract. • Defining tort law, • Economics of tort liability. • Definition of Consumer • Consumer protection; • The Consumer Protection Act, 2019 • Consumer courts.	5
Chapter 7: Law of Business Organizations • Structure of firm — Kinds, Corporations, • Capital, Shares, Debentures, Insiders' trading, • RBI, IRDA, MRTP, Role of SEBI,	5
Chapter 8: Macroeconomics and Law • Inequality; Contract theory of Distributive justice • Economic and social costs of poverty • Wealth distribution by Liability Rules • Taxation and efficiency • National and global environmental problems and international environmental agreements — their legal and economic implications	6
Practicum 1. Hold the moot court in the classroom and let there be a discussion consisting of at least two or moredifferent views on National and Global environment problems and acts 2. Discuss the case studies on the Economic and social costs of poverty and consumer court judgementsprotecting the consumers	

Pedagogy: Classroom lectures, tutorials, Problem-solving exercise

Note: Strictly follow the Practicum

	References
1	Bouckaert, B. and G. De Geest (Ed.) (1999), Encyclopaedia of Law and Economics, (Volume I to V), Edward Elgar Publishing Ltd., U.K.
2	Cooter, R.D. and T.S. Ulen, (2000), Law and Economics, (3rd Edition), Addison Wesley, New York.
3	Dan-Schmidt, K.G. and T.S. Ulen (Ed.) (2000), Law and Economic Anthology, Addison Wesley, New York.
4	Newman, P. (Ed.) (1998), The New Palgrave Dictionary of Economics and Law, Stockton Press, New York.
5	Oliver, J.M. (1979), Law and Economics, George Allen and Unwin, London.
6	Posner, R.A. (1998), Economic Analysis of Law, (5th Edition), Little Brown, Boston.
7	Posner, R.A. and F. Parisi (Eds.) (1997), Law and Economics, Edward Elgar Publishing Ltd., U.K.
8	Massey, I.P. (1995), Administrative Law, Eastern Book Company, Lucknow.
9	Indian Law Institute, Annual Survey of Indian Law, Indian Law Institute, New Delhi.

Semester IV

Program Name	BSc in Economics		Semester	Fourth Semester
Course Title	Economics of GST			
Course Code:	OE 4.3.4		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. Acquire knowledge on indirect taxes with special reference to GST

CO2. Acquire the theoretical and application knowledge of GST and its Evolution in India

CO3. To enable the students to understand the GST Law, ITC, Valuation of supply and returns

CO4. Simple calculation of GST and Input Tax Credit, Valuation of Supply (Numerical on valuation and calculation of tax)

Contents	42 Hrs
Unit–1: Introduction to Economics of GST	**14 Hrs**
Chapter 1: Indirect taxes before GST • Indirect Taxes-Meaning, Types with examples • Constitutional framework of Indirect Taxes before GST (Taxation Powers of Union & State Government); • Concept of VAT: Meaning, Variants and Methods;	5
Chapter 2: Reforms in Indirect Taxes • Major Defects in the structure of Indirect Taxes prior to GST; Need for Tax reforms • Kelkar committee on Tax Reforms	4
Chapter 3: Introduction to GST • Rationale for GST; • Constitution [101st Amendment] Act, 2016; • GST- Meaning, Overview of GST • Taxes subsumed under GST • Territorial Jurisdiction of GST	5

• Multiple rates of GST	
• Recent reforms in GST	
Practicum:	
1. Group Discussions on Indirect Taxes defects prior to GST	
2. Assignment on Types of Indirect Taxes prior to GST and After introduction of GST	
Unit – 2 Fundamentals of GST	**12 Hrs**
Chapter 4: GST Structure in India,	4
• GST: Advantages and Disadvantages	
• One Nation-One Tax,	
• Structure of GST;	
• Features of Single and Dual GST Model	
Chapter 5: Dual GST Mode and GST Council	4
• Dual GST Mode in India: l SGST, CGST, UTGST & IGST);	
• Goods and Services Tax Network [GSTN],	
• GST Council; Creation, Members, Decisions, Compensation to states.	
• GST Network,	
• Registration,	
Practicum:	4
1. Group Discussions on advantages and disadvantages of GST	
2. Hold the moot of GST Council in the class room and decide the different slabs of GST	
Unit -3: Taxes and Duties	**16 Hrs**
Chapter 6: Transactions and taxes covered and not covered	4
• Transactions and taxes covered under GST	
• Taxes and duties outside the purview of GST	
• Tax structure Computation	
• Administration of Tax on items containing alcohol, petroleum products, tobacco products	
• Taxation on services	

Chapter 7: Levy and Collection of Tax	6
• Taxable event- "Supply" of Goods and Services • Place of Supply: Within state, Interstate Levy and Collection • Import and Export; Time of supply • Valuation for GST- Valuation rules, • Taxability of reimbursement of expenses; Exemption from GST: Small supplies and Composition Scheme Classification of Goodsand Services: Composite and Mixed Supplies.	
Chapter 8: Input Tax Credit	6
• Eligible and Ineligible Input Tax Credit • Apportionments of Credit and Blocked Credits • Tax Credit in respect of Capital Goods • Recovery of Excess Tax Credit • Availability of Tax Credit in special circumstances • Transfer of Input Credit (Input Service Distribution) • Payment of Taxes; Refund; Doctrine of unjust enrichment	

Practicum

1. Simple illustrations on calculation of GST and Input Tax Credit,

2. Valuation of Supply (Numerical on valuation and calculation of tax)

3. Simple calculation Adjustment of Input tax credit against output CGST, SGST, IGST.

Pedagogy: Classroom lecture, tutorials, Problem solving exercise

Note: Strictly follow the Practicum

References	
1	The Central Goods and Services Tax, 2017
2	The Integrated Goods and Services Tax, 2017
3	The Union Territory Goods and Services Tax, 2017
4	The Goods and Services Tax (Compensation to States), 2017
5	The Constitution (One hundred and First Amendment) Act, 2016
6	Gupta, S.S. , *GST- How to meet your obligations (April 2017),* Taxmann Publications
7	Datey,V.S. (2019) . *Indirect Taxation*. New Delhi *Vastu and Sevakar Vidhan* by Government of India
8	Mehrotra, H.C. & Goyal, S.P.(2019), Indirect Taxes, Agra: Bhawan Publications.