



BENGALURU CITY UNIVERSITY

CHOICE BASED CREDIT SYSTEM

**(Semester Scheme with Multiple Entry and Exit Options for
Under Graduate Course)**

**Syllabus for Economics
(V & VI Semester)**

2023-24

Dear Fellow Teacher

There are two models A1 and A3, out of which one has to be followed. In case A1 is followed, there will be one major core subject, in our case, it will be economics in the fifth and sixth semesters. In each of these semesters, there will be four discipline-specific (economics) compulsory papers which will be of four credits each, one discipline (economics) specific elective which will be of three credits, one Vocational paper in economics which is of three credits and one Skill Enhancement Course which is of two credits.

In case A3 is followed there will be two major core subjects, in our case, one will be economics in the fifth and sixth semesters and the other will be of their chosen choice say Political Science / History/ Sociology. In each of these semesters, there will be three discipline-specific papers each of four credits from the economics and other chosen subjects. and one Skill Enhancement Course which is of two credits.

In view of enhancing the skills and employability of the students, every Module is given a practicum, kindly follow in toto. Kindly see that students will get theoretical as well as practical knowledge of economics.

- S.R.Keshava

Acknowledgement

The Chairperson and Members thank Honourable Vice-Chancellor Prof. Lingaraja Gandhi for the opportunity to serve in BOS and other 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

A1: Undergraduate Programme with two core subjects without practicals in the first two years and one Major Subject (Economics) in the third year.

A1 Curriculum and Credit Framework for the B.A Programme with two core subjects without practicals in the first two years and one Major (Economics) in the third year

Sem.	Discipline Specific - Core (DSC), Elective (DSE) Courses (Credits) (L+T+P)		Vocational Courses(Credits) (L+T+P)	Skills Enhancement Courses (SEC) (Credits) (L+T+P)/Value Added Courses (Credits) (L+T+P) (common for all UG Programs)/	Total Credits
V	DSC - 9	Public Economics (4),	Vocational -1(3) Choose one 1)Entrepreneurial Economics 2)Digital Economics 3)Economics of Dairy Farming	SEC-4: Cyber Security (2)/ Soft skills and Communication Skills (1+0+2)	24
	DSC - 10	Development Economics (4),			
	DSC - 11	HRM (4),			
	DSC- 12 A	Indian Banking Finance (4)			
	DSE-E1, (Choose Anyone) (3)	1)Eco of GST, 2)Eco of Insurance 3)Rural Economics 4)Economics of Marketing			
VI	DSC- 13	International Economics (4),	Vocational-2(3), Choose One 1)Micro Entrepreneurs Development 2)Project, Planning & Management	SEC-5: General Aptitude (2) (1+0+2) / Internship (2)	24
	DSC -14	Indian Public Finance (4),			
	DSC-15	Economic Thoughts Dr. B.R Ambedkar (4),			
	DSC 16	Economics of Environment (4);			
	DSE-E2 (Choose Anyone) (3)	1)Industrial Economics 2)Labour Economics 3)Factor Pricing and Welfare Economics 4) Economics of Non-Farm Sector			

A1: Curriculum and Credit Framework for the BA Program with two core subjects without practicals in the first two years and one Major (Economics) in the third year

Sem. No.	Course Category	Course Code	Course Title	Credits Assigned	Instructional hours per week		Duration of Exam (Hrs.)	Exam/Evaluation Pattern (Marks)		
					Theory	Practical		IA	Exam	Total
V	DSC	ECO C9	Public Economics	4	4		2.3	40	60	100
		ECO C10	Development Economics	4	4		2.3	40	60	100
		ECO C11	Human Resource Management	4	4		2.3	40	60	100
		ECO C12	Indian Banking and Finance	4	4		2.3	40	60	100
	DSE	ECO E1 (Anyone to be chosen)	A. Economics of GST B. Economics of Insurance C. Rural Economics D. Economics of Marketing	3	3		2.3	40	60	100
	Vocational	ECO V1 (Anyone to be chosen)	A. Entrepreneurial Economics B. Digital Economics C. Economics of Dairy Farming	2+1	2	1	2.3	50	50	100
VI	DSC	ECO C13	International Economics	4	4		2.3	40	60	100
		ECO C14	Indian Public Finance	4	4		2.3	40	60	100
		ECO C15	Economic Thoughts of Dr.B.R Ambedkar	4	4		2.3	40	60	100
		ECO C16	Economics of Environment	4	4		2.3	40	60	100
	DSE	ECO E2 (Anyone to be chosen)	A. Industrial Economics B. Labour Economics	3	3		2.3	40	60	100
			C. Factor Pricing and Welfare Economics D. Economics of Non-Farm Sector				2.3			
	Vocational	ECO V2 (Anyone to be chosen)	A. Micro Entrepreneurs Development B. Project, Planning & Management	2+1	2	1	2.3	50	50	100

A1 Curriculum and Credit Framework for the B.Sc Program with two core subjects without practical in the first two years and one Major (Economics) in the third year

Sem	Discipline Specific - Core (DSC), Elective (DSE) Courses (Credits) (L+T+P)		Vocational Courses(Credits) (L+T+P)	Skills Enhancement Courses (SEC) (Credits) (L+T+P)/Value Added Courses (Credits) (L+T+P) (common for all UG Programs)/	Total Credits
V	DSC - 9	Introduction to R Software	Vocational -1(3) Economics of Tourism Development	SEC-4: Cyber Security (2)/ Soft skills and Communication Skills (1+0+2)	24
	DSC - 10	Public Economics			
	DSC - 11	Development Economics			
	DSC- 12 A	Indian Banking and Finance			
	DSE-E1, (Choose Anyone) (3)	A. Experimental Economics B. Economics of Artificial Intelligence			
VI	DSC- 13	Actuarial Economics	Vocational-2(3), Choose One 1. Micro Entrepreneurs Development 2. Project, Planning & Management	SEC-5: General Aptitude (2) (1+0+2) / Internship (2)	24
	DSC -14	Indian Public Finance			
	DSC-15	International Economics			
	DSC 16	Economics of Environment			
	DSE-E2 (Choose Anyone) (3)	A. Economics of Information B. Methods of Data Analysis C. Game theory D. Operational Research in Economics			

A1: Curriculum and Credit Framework for the B.Sc Program with two core subjects without practicals in the first two years and one Major (Economics) in the third year

Sem. No.	Course Category	Course Code	Course Title	Credits Assigned	Instructional hours per week		Duration of Exam (Hrs.)	Exam/Evaluation Pattern (Marks)		
					Theory	Practical		IA	Exam	Total
V	DSC	ECO C9	Introduction to R Software	4	4		2.3	40	60	100
		ECO C10	Public Economics	4	4		2.3	40	60	100
		ECO C11	Development Economics	4	4		2.3	40	60	100
		ECO C12	Indian Banking and Finance	4	4		2.3	40	60	100
	DSE	ECO E1 (Anyone to be chosen)	A. Experimental Economics B. Economics of Artificial Intelligence	3	3		2.3	40	60	100
	Vocational	ECO V1 (Anyone to be chosen)	Economics of Tourism Development	2+1	2	1	2.3	50	50	100
VI	DSC	ECO C13	Actuarial Economics	4	4		2.3	40	60	100
		ECO C14	Indian Public Finance	4	4		2.3	40	60	100
		ECO C15	International Economics	4	4		2.3	40	60	100
		ECO C16	Economics of Environment	4	4		2.3	40	60	100
	DSE	ECO E2 (Anyone to be chosen)	A. Economics of Information B. Methods of Data Analysis C. Game theory Operational Research in Economics	3	3		2.3	40	60	100
	Vocational	ECO V2 (Anyone to be chosen)	A. Micro Entrepreneurs Development B. Project, Planning & Management	2+1	2	1	2.3	50	50	100

A3: Undergraduate Programme with two core subjects without practical's in the first two years and two Major (one of the major is Economics, out of two Major Subjects) in the third year.

A3. Curriculum and Credit Framework for BA Programme with two core subjects without practicals in the first three years.

Sem.	Discipline Specific - Core (DSC), DSC1: Economics		Discipline Specific Core DSC2: Pol.Sc or Hist or Soci	Skills Enhancement Courses (SEC)/ (Value Added Courses for all UG Programs)	Total Credits
V	DSC-9	Public Economics (4),	DSC- B9(4), DSC- B10(4), DSC- B11(4),	SEC-4: Cyber Security (2)/ Soft skills and Communication Skills (1+0+2)	26
	DSC 10,	Dept. Economics(4),			
	DSC 11	HRM (4),			
VI	DSC- 12	Indian Banking Finance (4)	DSC-B12(4), DSC- B13(4), B14(4),	SEC-5: General Aptitude (2) (1+0+2) / Internship (2)	26
	DSC-13	International Economics (4),			
	DSC-14	Indian Public Finance (4),			

A3: Curriculum and Credit Framework for the BA Program with two core subjects without practicals in the first three years

Sem. No.	Course Category	Course Code	Course Title	Credits Assigned	Instructional hours per week		Duration of Exam (Hrs.)	Exam/ Evaluation Pattern (Marks)		
					Theory	Practical		IA	Exam	Total
V	DSC	ECO C9	Public Economics	4	4		2.3	40	60	100
		ECO C10	Development Economics	4	4		2.3	40	60	100
		ECO C11	Human Resource Management	4	4		2.3	40	60	100
VI	DSC	ECO C12	Indian Banking and Finance	4	4		2.3	40	60	100
		ECO C13	International Economics	4	4		2.3	40	60	100
		ECO C14	Indian Public Finance	4	4		2.3	40	60	100

A3. Curriculum and Credit Framework for B.Sc Programme with two core subjects without practicals in the first three years.

Sem.	Discipline Specific - Core (DSC), DSC1: Economics		Discipline Specific Core DSC2: Pol.Sc or Hist or Soci	Skills Enhancement Courses (SEC)/ (Value Added Courses for all UG Programs)	Total Credits
V	DSC-9	Introduction to R Software (4)	DSC- B9(4), DSC- B10(4), DSC- B11(4),	SEC-4: Cyber Security (2)/ Soft skills and Communication Skills (1+0+2)	26
	DSC 10	Public Economics (4)			
	DSC 11	Development Economics(4)			
VI	DSC- 12	Indian Banking and Finance (4)	DSC-B12(4), DSC- B13(4), B14(4),	SEC-5: General Aptitude (2) (1+0+2) / Internship (2)	26
	DSC-13	Actuarial Economics (4)			
	DSC-14	Indian Public Finance (4)			

A3: Curriculum and Credit Framework for the B.Sc Program with two core subjects without practicals in the first three years

Sem. No.	Course Category	Course Code	Course Title	Credits Assigned	Instructional hours per week		Duration of Exam (Hrs.)	Exam/ Evaluation Pattern (Marks)		
					Theory	Practical		IA	Exam	Total
V	DSC	ECO C9	Introduction to R Software	4	4		2.3	40	60	100
		ECO C10	Public Economics	4	4		2.3	40	60	100
		ECO C11	Development Economics	4	4		2.3	40	60	100
VI	DSC	ECO C12	Indian Banking and Finance	4	4		2.3	40	60	100
		ECO C13	Actuarial Economics	4	4		2.3	40	60	100
		ECO C14	Indian Public Finance	4	4		2.3	40	60	100

Formative Assessment

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

Formative Assessment	
Assessment Occasion/ type	Weightage in Marks
Internal Test	50%
Assignment	20%
Presentation/Project	30%
Total	100
<i>Formative Assessment as per NEP guidelines are compulsory</i>	

Note: Strictly follow the Practicum

Pedagogy; Evaluation process IA MARKS

FORMATIVE ASSESSMENT			
	C1	C2	Total
Assessment Occasion/type			
Internal Test	10	10	20
Assignment/seminar	5	-	05
Quiz/GD	5	-	05
Presentation/Project etc	-	10	10
Total	20	20	40
Semester End Exam Theory			60

Note: Strictly follow the Practicum

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

Section A

Section A (objective type/multiple choice)

Answer any ten of the following out of 12 questions (1X10 = 10),

1.

- a)
- b)
- c)
- d)
- e)
- f)
- g)
- h)

- i)
- j)
- k)
- l)

Section B (Questions for testing the knowledge of theories and application)

Answer any **six** of the following out of 8 questions (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 4 questions (10 X2=20)

- 10.
- 11.
- 12.
- 13.

**BA Honours
in
Economics**

5th & 6th Semester

BA–ECONOMICS
Vth SEMESTER

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

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

CO1. Understand introductory Public Finance concepts.

CO2. Study the causes of market failure and corrective actions

CO3. Understand the impact, incidence and shifting of tax

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

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

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

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

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

MODULES	DESCRIPTION	60 Hours
Module I	Introduction to Public Economics	15
	Public Economics: Meaning, definitions, Scope and Significance, Public Finance and Private Finance: Meaning, and Distinction; Public good and private good: Meaning, Characteristics, and Distinction, Principle of Maximum Social Advantage, Market Failures: Meaning, causes-role of externalities; Market failure and role of government; Corrective actions.	
Practicum	Group Discussions on Public Finance and private finance; public good and private good Assignment on Market failure and government intervention	
Module II	Public Revenue and Public Expenditure	18
	Meaning and sources of revenue; Taxation –Cannons of taxation, Characteristics of a sound tax system, Impact, Incidence- Division of Tax burden, Shifting of tax, Economic Effects of tax on production, distribution and other effects, Progressive and Regressive, Proportional Tax, Direct and Indirect Taxes –Merits and Demerits, Taxable Capacity: Meaning and determinants. Public Expenditure; Meaning, classification, principles, Types & Cannons, Reasons for the growth of public	

	expenditure, Wagner's law of increasing state activities, Peacock-Wiseman hypotheses, Effects of public expenditure: Production, Distribution & Other effects	
Practicum	Mini-project/study to ascertain the impact of GST on retailers/wholesalers in your vicinity A case study on the taxable capacity of the different sections of society in the vicinity Assignment on Effects of public expenditure: Production, Distribution & Other Effects	
Module III	Public Debt	12
	Public Debt: Meaning, Purpose, Types & Effects; Sources of Public Borrowing; Burden of Public Debt -Classical/ Ricardian views, Keynesian and post-Keynesian views; Intergenerational equity of public debt; Causes of the Rise in Public Debt; Methods of debt redemption; Debt management.	
Practicum	Studying the burden of public debt through a project/ case study Assignment on Debt Management	
Module IV	Public Budget, Fiscal Policy and Fiscal Deficit	15
	Budget: Meaning, process & Types of budget, Economic and functional classification of the budget; Balanced and unbalanced budget, Types of Budget Deficits; Fiscal Policy: Meaning, objectives & Tools; Fiscal deficit: Meaning, Computation, Deficit Financing: Meaning, Advantages and Disadvantages	
Practicum:	Calculation of various types of budget deficit using the budget data Group discussion on the advantages and disadvantages of deficit financing	

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

BA–ECONOMICS
Vth SEMESTER

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

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

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

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

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

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

BA–ECONOMICS
Vth SEMESTER

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

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

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

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

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

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

BA–ECONOMICS
Vth SEMESTER

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

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

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

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

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

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

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

BA–ECONOMICS
Vth SEMESTER

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

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

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

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

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

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

BA–ECONOMICS
Vth SEMESTER

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

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

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

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

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

References	
1	Chambers, R. (1983): Rural Development: Putting the Last First, Longman, Harlow.
2	Dandekar, V.M. and N. Rath (1971): Poverty in India, GIPE, Pune
3	Dantwala, M. L. (1973): Poverty in India: Then and Now, 1870-1970, Macmillan, Bombay.
4	Gupta. K .R. (Ed) (2003): Rural Development in India, Atlantic Publishers and Distributors, New Delhi.
5	Jain, Gopal Lal (1997): Rural Development, Mangal Deep Publications, Jaipur,
6	Singh, Katar (1986): Rural Development: Principles, Polices and Management, Sage Publications, New Delhi, (Second Edition).
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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 Polices and Programmes, Sage Publications, New Delhi.
11	Tyagi, B. P. (1998): Agricultural Economics and Rural Development, Jai Prakash Math and Co., Meerut

BA–ECONOMICS
Vth SEMESTER

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

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

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

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

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

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

BA–ECONOMICS
Vth SEMESTER

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

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

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

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

References

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

BA–ECONOMICS
Vth SEMESTER

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

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

- CO1: Acquire the operational procedures knowledge of entrepreneurship
- CO2. To know how to Start your own business as a young Entrepreneur
- CO3. Enabling the students to find various procedures of operations of the business.

MODULES	DESCRIPTION	60 Hrs
Module I	Entrepreneurship and Launching Business	15
	<p>Entrepreneur and Entrepreneurship – Issues of considering for Entrepreneurship, identifying business opportunity and choosing right business, Plan a new entrepreneurship- create a business plan- contents of Business plan- marketing plan-operational plan- financial plan-risk analysis and risk management plan.</p> <p>Choose a business structure, Setting Business Entity & incorporation of the company, Formulation of Memorandum of Association (MOA), Formulate Article of Association (AOA), approving stamp and sign of Business Entity. Registering for e-filing, Applying for Director Identification Number (DIN), Digital Signature Certificate (DSC), and Permanent Account Number (PAN).</p>	
Practicum	<p>Identify career opportunities in business and create a Business Plan</p> <p>Demonstration on Registering for e-filing</p> <p>Assignment on Formulation of Memorandum of Association (MOA)</p>	
Module II	Procedure for Start-up Business	15
	Operational Procedures- Get Government of India, State Government (Karnataka) and Local Government tax IDs, -Apply for all concerned licenses and permits, - Open a business bank current account, - Apply for Business Insurance, - Appraisal of Technical Feasibilities, Economic and Financial viability - Bottom line.	
Practicum	Identify the and write a small report on procedure to open a business bank current account and applying for business Insurance	
Experiential Learning/ Practicum	Visit a Startup/MSME and write a report of 15-20 pages about consisting of the following:	30

Format of the Report	<ol style="list-style-type: none"> 1. Name and Address of the Startup/Micro Enterprise Visited 2. Certificate from the MSME/Startup Stating the students visit and learning about the entrepreneurship and enterprise 3. Certificate from the concerned HOD & Concerned teacher 4. Brief Profile of the MSME/Startup 5. Lessons Learnt about Launching a Business, Product Marketing, Sources of finances, Challenges faced, Strategies to Overcome it, etc...., 	
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References	
1	Donald F Kuratko (2014), “Entrepreneurship – Theory, Process and Practice”, 9th Edition, Cengage Learning,.
2	Khanka. S.S (2013) “Entrepreneurial Development” S.Chand & Co. Ltd., RamNagar, New Delhi.
3	Kuratko and Rao, Entrepreneurship: A South Asian Perspective; Ferrell,Fraedrich, Farrell, Business Ethics, Cengage Learning
4	Singh, Nagendra P. Emerging Trends in Entrepreneurship Development. NewDelhi: ASEED.
5	Marc J Dollinger, Entrepreneurship – Strategies and Resources, PearsonEducation
6	Venkateshwara Rao and Udai Pareek, (Eds)Developing Entrepreneurship-A Handbook
7	Donald F Kuratko (2014), “Entrepreneurship – Theory, Process and Practice”, 9 th Edition, Cengage Learning.
9	https://www.sba.gov/business-guide/launch-your-business/open-business-bank-account
10	https://www.businessnewsdaily.com/4686-how-to-start-a-business.html
11	https://www.forbes.com/advisor/in/business/how-to-start-a-business/
12	https://services.gst.gov.in/services/
13	https://www.jotform.com/pdf-templates/proposal
14	https://www.visme.co/templates/proposals/

BA–ECONOMICS
Vth SEMESTER

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

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

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

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

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

	Main Types of Digital Economy Market Players – Specific Features, Behaviour, Goals Stakeholders and relationships in digital markets, Competition, Cooperation and Coopetition; Digital Innovations, Main types of Digital Economy Business Models, The layered internet model, Strategic Positioning – Business Strategies of Different types of Digital Economy Market Players; Digital Economy and Traditional Companies – Digital Technologies as a risk factor for traditional Companies, Business Models of Traditional Companies in Digital Economy, Coexistence Models of Digital and Traditional Companies; Individual Markets: Media – Copyrights and Streaming, News and Social Media; Advertising, E- commerce – Customization, Auctions, Payment Systems; The sharing/gig economy – Ride-hailing, Labour Markets, Lodging.	
Practicum	Seminar on e-commerce sites Debate on the sharing/gig economy	
Experiential Learning/ Practicum	Conduct a Survey using Interview Schedule on Perception of the consumers who are using digital payments	30
Format of the Report	<ol style="list-style-type: none"> 1. Brief Profile on Digital Payments 2. Different Modes of Digital Payments 3. Collecting the data from the 50 respondents who use Digital Payments Using the pre designed interview schedule 4. Analysis of the data using simple statistical tools 5. Interview Schedule must consist of the following <ol style="list-style-type: none"> i. Name, Occupation, income and Expenditure ii. Socio-Economic Background of the Consumers iii. From when they are using Digital Payments iv. Products/ Services for which they are using Digital Payments v. Benefits of Digital Payments vi. Difficulties faced by Digital Payments vii. Suggestions to improve 	

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

BA–ECONOMICS
Vth SEMESTER

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

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

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

MODULES	DESCRIPTION	60 Hrs
Module I	Introduction	15
	Animal husbandry, livestock in India, scope and prosperity, dairy development in India, Dairy facilities-selection of site, housing system, classification of dairy plants, layouts and design equipment and utilization, cost aspects of dairy farming, records to be maintained in a dairy farm, finance to Dairy farming.	
Practicum	Visit dairy farm- Survey on Dairy facilities Survey on cost and revenue aspect of dairy farming.	
Module II	Management of a Dairy Farm	15
	Operation flood in India- Definition of Milk and Nutritive value of milk, Classification of dairy, animals-breeds and control, breeding management, Pest, disease and control, care of new born calf, major responsibilities of a dairy former, cooling, cleaning and sanitization of dairy farm, basic principles of feed, importance of Feed ingredients , feed formulation and feed mixing. Milk product and bio-products, procurement of marketing of milk, clean milk production and handling-processing and testing quality Control of milk, storage and distribution of processed milk. Government policies, scheme for dairy business.	
Practicum	Understand the animal breeds and management, diseases and its control, cleaning and sanitization Basic principles of feed and marketing.	
Experiential Learning/ Practicum	Visit a milk federation/dairy co-operative society/ Milk Union	30

Format of the Report	<ol style="list-style-type: none"> 1. Name and Address of the milk federation/dairy co-operative society/ Milk Union Visited 2. Certificate from the milk federation/dairy co-operative society/ Milk Union Stating the students visit and learning about the Dairy Management 3. Certificate from the concerned HOD & Concerned teacher 4. Brief Profile of the milk federation/dairy co-operative society/ Milk Union Visited 5. Lessons Learnt about Managerial Functions, Operational Functions – Reception of the milk, Milk Trading, Testing of milk, dispatch of milk, Payments, Accounting, Cleanliness, Standardization of milk and other functions, dairy Product Marketing, Sources of finances, Challenges faced, Strategies to Overcome it, etc....,
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References	
1	Banerjee G. C. (2010) -Textbook of Animal Husbandry, Oxford Publication, IBH Publishing Co.Pvt Ltd, Delhi
2	Muller CJC, The Dairy Farming Handbook, Directorate Animal Science Research and Technology Development Services.
3	Dairy India 2007, 6 th Edition
4	Principles and Practices of Dairy Farm – Jagadish Prasad.
5	Economics of Milk Production – Bharati Pratima Acharya Publishers.
6	Saras Applied Zoology- Fifth Edition 2015, SaraS Publication, Tamilnadu.
7	Dilip Dutt, Chairman, National Dairy Development Board- Good Dairy Husbandry Practices.
8	Fao Animal Production And Health- Guide To Good Dairy Farming Practice, Published by food and agriculture organization of the united nations and international dairy federation, rome, 2011
9	Dairying- 2019, www.cstaricalcutta.gov.in

6th Semester

BA–ECONOMICS
VIth SEMESTER

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

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

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

MODULES	DESCRIPTION	60 Hours
Module I	International Trade Theories	15
	Meaning and Importance of International trade; Differences between Internal and International Trade; Trade Theories: Mercantilist view; Absolute cost and comparative cost advantage theories; Haberler's Opportunity cost theory; Heckscher-Ohlin theory; Leontief's paradox	
Practicum	Assignment on Ricardo's Comparative cost advantage and Leontief's paradox	
Module II	Terms of Trade and Commercial Policy	18
	Terms of trade- Concept and Types, Factors determining Terms of Trade; Commercial Policy: Free trade v/s Protection; Tariffs: Types and effects; Quotas; Anti-dumping; Economic Integration: Meaning and stages.	
Practicum	Debate: Free trade v/s Protection Mini project: Trace the evolution of India towards Economic Integration	
Module III	Balance of Payment and Capital Flow	12
	Balance of Payment: Concept, Components; Disequilibrium in Balance of Payment: Causes and Measures to correct disequilibrium; Foreign Exchange rate: Meaning and types; determination of Foreign exchange rate: Demand for and Supply of Forex; Purchasing Power Parity (PPP) theory; Capital Flow: Meaning and concept of Foreign Investment; Forms of FDI; Advantages and disadvantages of FDI.	
Practicum	Prepare India's Balance of Payment statement using recent Economic Survey	
	Assignment on Forms of FDI	
Module IV	International Finance and Trade Institutions	15

	Bretton Woods Institutions: IMF and IBRD -IDA and IFC: Organization, Objectives, Functions and their role in developing countries; Evolution of WTO: GATT – principles and objectives; WTO: Organization, Objectives, Functions, Agreements and current issues; WTO and developing countries;	
Practicum:	Group Discussion: Effectiveness of IMF and IBRD in developing countries Seminar: Agreements of WTO or current issues of WTO	
References		
1	Sodersten. B. (1993): International Economics, MacMillan, 3 Edition, London,	
2	Salvatore, D. (2016): International Economics, 12 Edition, Wiley Publication	
3	Vaish, M. C. and Sudama Singh (1980): International Economics, 3 Edition, Oxford and IBH Publication, New Delhi.	
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12	K.C. Rana & K.N. Verma (2017): International Economics; Vishal Publishing Co.	
13	Krishnamurthy H.R (2013) : Antararashreeya Arthashastra ; (Kannada version), Sapna, Bengaluru	

BA–ECONOMICS
VIth SEMESTER

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

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

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

MODULES	DESCRIPTION	60 Hours
Module I	Public Revenue	18
	Direct Tax Revenue - Sources of Revenue-Tax and Non-Tax Revenue; Trends and Patterns of Tax Revenue in India; Direct and Indirect Taxes in India; Personal Income Tax Rates and Slabs; Corporate Tax- Tax Rate and Slabs; Indirect Tax Revenue - Indirect Taxes – Earlier Taxes-VAT and MODVAT; Goods and Services Tax (GST)- Objectives and Classification of GST, Tax Rates of GST; Trends and Patterns of GST; Impact of GST on Indian Economy; Tax Reform Commissions.	
Practicum	Collection and analysis of data on Direct tax Collection and analysis of GST from businesses	
Module II	Public Expenditure	15
	Revenue Expenditure - Classification of Public Expenditure in India; Revenue Account Expenditure- Trends and Patterns; Capital Account Expenditure-Trends and Patterns; Fiscal Responsibility and Budget Management (FRBM) Act; Impact of Public Expenditure on Indian Economy; Expenditure Reforms Commission (ERC) in India; Union Budget and Its Analysis - Meaning and Classification of Budgets; Zero-Based Budget; Composition of Union Budget; Union Budget Analysis (current one); Different Concept of Deficits- Revenue, Fiscal, Primary Deficits	
Practicum	Analysis of Union Budget (Current one) Group Discussion on Budget Deficits	
Module III	Public Debt and Its Management	14

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

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

BA–ECONOMICS
VIth SEMESTER

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

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

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

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

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

References (In order of importance of usage)

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

BA–ECONOMICS
VIth SEMESTER

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

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

- CO1. Understand how economic methods can be applied to environmental issues facing society
- CO2. Examine the linkages between Environmental Degradation and Economic Development
- CO3. Develop an informed view regarding the potential of economics to help societies achieve their environmental goals
- CO4. Demonstrate good inter-personal and communication skills through writing an essay and contributing to critical discussion
- CO5. Analyze environmental problems and to assess environmental policies

MODULES	DESCRIPTION	60 Hours
Module I	Environment and Ecology	15
	Meaning, Nature and Scope of Economics of Environment; Linkages between Environment and the Economy; Environmental Kuznets curve; Environmental Stress; Population and Environment; Poverty and Environment; Meaning and elements of ecology; Biotic and Abiotic components; Food, Hydrological and Carbon Cycles; Material Balanced Principle (Entropy law); Meaning and strategies to achieve Sustainable Development; Rio Summit; Green Accounting Introduction to SDGs	
Practicum:	Making charts relating to SDGs or Assignments on environment-economy linkages at the local level	
Module II	Natural Resources Scarcity and Conservation	15
	Meaning and Characteristics of Renewable and Non-renewable resources; Non-Renewable Resources and the problem of depletion and problem of overuse ; Resource Scarcity and Economic Growth (Limits to Growth Model); Energy and Economic Development; Energyresources and their Pricing; Alternative energy sources; Conservation of Natural Resources-3Rs – Reduce, Reuse and Recycling Measures	
Practicum:	Identifying local resources; Project on resource conservation (esp. water) at the College level; Discussion on Limits to Growth	
Module III	Environmental Pollution	15

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

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

BA–ECONOMICS
VIth SEMESTER

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

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

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

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

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

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

BA–ECONOMICS
VIth SEMESTER

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

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

CO1. Understand the basic concepts of Labour Economics.

CO2. analyze and tackle the labour issues effective

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

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

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

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

BA–ECONOMICS
VIth SEMESTER

Program Name	BA in Economics	Semester	Sixth Semester
Course Title	Factor Pricing and Welfare Economics		
Course Code:	ECO E2C	No. of Credits	3
Contact hours	45 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

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

- CO1. Understand the concepts of Welfare Economics
- CO2. The students can be able to analyze and theories of welfare economics effectively.
- CO3. To understand the importance of the theories and models that can be used to improve the economic and social welfare of people

MODULES	DESCRIPTION	45 Hours
Module I	Theories and Pricing of Factors of Production	15
	Meaning and Significance of factor pricing - Functional (factor) and Personal incomes - Demand and Supply of Factors of Production in Perfect and Imperfect Competitive Markets. Rent: Ricardian Theory, Modern Theory, and Quasi Rent Theory; Wages: Subsistence Theory, Wage-Fund Theory, Residual Claimant Theory, Marginal Productivity Theory, and Modern Theory; Interest: Classical Theory - Loanable Funds Theory, Liquidity Preference Theory, and Hicks -Hansen Theory (IS-LM); Profit: Dynamic Theory, Innovation Theory, Risk-bearing Theory and Uncertainty bearing Theory; Factor pricing in perfectly competitive markets - Marginal productivity theory of factor pricing; Factor pricing in imperfectly competitive markets - Monopsony power: Trade Unions and wage determination - Bilateral monopoly; Prices of Fixed Factors: Rents and Quasi Rents - Non-Homogeneous Factors and Wage Differentials	
Practicum	Collecting information on labour supply to understand the reasons for its backward bending seminars about the above theories	
Module II	General Equilibrium Theory	15
	Interdependence in the Economy (Circular Flow) - Partial and General Equilibrium Analyses; Two-Sector Model: Equilibrium of Production and Equilibrium of Consumption - Simultaneous Equilibrium (Edgeworth box diagrams) – Walrasian General Equilibrium Analysis – Pareto Optimality and Market Equilibrium; Market failure – Meaning of Market Efficiency – Reasons for Market Failure - Externalities, Public goods, Property rights, Coase Theorem, Asymmetric information - Meaning - adverse selection, moral hazards, agency problems; Theory of second best.	
Practicum	Collecting information on market failures and to ascertain the reasons for it Describing the graphs used	

Module III	Welfare Economics	15
	Individual welfare and social welfare – Pigouvian Welfare Economics - Social welfare function – Kaldor-Hicks Compensation criteria - Collective Choice, Social Choice and Social Welfare - Arrow's impossibility theorem - Samuelson's Utility Possibility Curve - Value Judgments and Welfare Economics – Amartya Sen's Contributions to Welfare Economics; Government Intervention – Need for Public Policy - Economics Justification for Welfare Schemes.	
Practicum	Conducting surveys to understand the notion of welfare Preparing a list of government programmes and giving justification for it from the point of view of Economics	

References	
1	Ahuja H.L, (2007) <i>Advanced Economic Theory</i> , S. Chand and Company, New Delhi.
2	Ferguson C.E and Maurice S. Charles, (1978) <i>Economic Analysis - Theory and Applications</i> , Richard D. Irwin Inc. USA.
3	Sen A.K, (2017) <i>Collective Choice and Social Welfare</i> , Holden-Day, San Francisco.
4	Jhingan, M.L. (2016): <i>Microeconomics</i> , Vrinda Publications, New Delhi
5	Mankiw, N. Gregory (2020). <i>Principles of Economics</i> (Ninth ed.). Boston, MA.
6	Koutsoyianis, A (1979): <i>Modern Microeconomics</i> , London, Macmillan
7	Samuelson, Paul (2004): <i>Economics</i> , McGraw-Hill, New Delhi
8	Salvatore, Dominick (2008) <i>Microeconomics Theory and Applications</i> , Oxford University Press, New York

BA–ECONOMICS
VIth SEMESTER

Program Name	BA in Economics	Semester	Sixth Semester
Course Title	Economics of Non-Farm Sector		
Course Code:	ECO E2D	No. of Credits	3
Contact hours	45 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

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

- CO1. Understand the Meaning, Concepts, objectives, Nature and scope of Economics of Non-Farm Sector.
- CO2. To know the sustainable development of non-farm sector
- CO3. To understand the importance of non-farm sector in the Indian economy
- CO4. To study the Government programmes and policies for non-farm sector.

MODULES	DESCRIPTION	45 Hours
Module I	Introduction to Non-Farm Sector	15
	Meaning and Definition of Non-Farm Sector, Nature of Non-Farm Sector Economics, Importance of non-farm sector, Role of non-farm sector in the rural Economy, the demand for and supply of non-farm labour in the rural Economy. Need of sustainable development of non-farm sector in India,	
Practicum	Collecting the information on demand for and supply of nonfarm jobs Collecting information on how to develop and sustain non-farm sector Seminars and discussion	
Module II	Non-Farm Sector and Employment	15
	Types of unemployment in rural India, Nature of nonfarm Employment- Construction, Mining and quarrying, small businesses. Women and women employment in non-farm sector, Agro based Industries, and agro processing industries, Rural Markets, Rural MSMEs, women employment in households and cottage industry, Textile and handlooms, Rural Trade and Transportation. Rural Tourism-Swadesh Darshan.	
Practicum	Collecting the information on mining and quarrying workers condition Collecting information on rural trade and transportation Seminars and discussion	
Module III	Government Schemes and Policies for Non-Farm Sector	15
	Role of NGOs in non-farm sector, Government Schemes, MGNREGA, Skill India, , Pradhan Mantri Kaushal Vikas Yojna, National Apprenticeship Promotion	

	Scheme , Aajeevika, Deen Dayal Upadhyay Gramin Kaushal Yojana, Pradhan Mantri MUDRA Yojana (PMMY), National Institute of Rural Development and Panchayati Raj (NIRDPR), Establishing cooperative societies.
Practicum	Collecting the information on National Apprenticeship Scheme Collecting information on MUDRA Yojana Seminars and discussion

References	
1	Nayyar Rohini and Sharma N Alakh, (2005) , Rural Transformation in India : The Role of Non-Farm Sector: Institute for Human Development
2	Rao M Koteswars (2000) . Rural Employment: The Non-Farm Sector. Deep and Deep publication New Delhi
3	Chattopadhyay Apurba Kumar and Chakrabarti Saumya (2013) Economics of Rural Non-Farm Sector: Certain Characteristics and Determinants Serial Publication New Delhi
4	Fisher Thomas (1997) ,Forgotten Sector: Non-farm employment and enterprises in rural India: Practical Action Publication
5	Jami.B.Kilangla and M Giribabu. (Eds) : 2020 AGRICULTURE AND RURAL TRANSFORMATION: Issues and Challenges (With Special Reference to North-East India) .Rawat Publication .Jaipur
6	Government of India.2020-21 . Annual Report: Department of Agriculture, Cooperation and Farmers Welfare
7	Antony Piyush, V. R.P Gayathri,. Mamgain; (2001) “Social and Economic Security in India” (ed.), Institute for Human Development, New Delhi

BA–ECONOMICS
VIth SEMESTER

Program Name	BA in Economics	Semester	Sixth Semester
Course Title	Micro Entrepreneurs Development		
Course Code:	ECO V2A	No. of Credits	2+1
Contact hours	30+30 Hours	Duration of SEA/Exam	2 hours
Formative Assessment Marks	50	Summative Assessment Marks	50

Course outcomes; On completion of the course, the students should be able to

- CO1. To know how to start own Micro Entrepreneur Unit.
- CO2. To enable the students to find out various procedure of operations of Micro Entrepreneurship.
- CO3. To enable the students to gain knowledge and skills needed to run micro enterprises successfully.

MODULES	DESCRIPTION	60 Hours
Module I	Micro Enterprises : Technical Feasibility	15
	Management Evaluation – Micro Enterprises Promotion - Types of Enterprises and Management – Sole Proprietorship, Partnership, Limited Liability Partnership, Private Limited - Profile of the Management - Idea of Product – Product Line – Product Demand Estimation – Promotion and Competition Management. Technical Feasibility – Manufacturing Process – Digital Technology – AI in Manufacturing – Plant Location, Plant and Machinery Technical Feasibility, Raw-material Utilities and Human Resources, Contracts and Annual Maintenance Agreements (AMCs) – Project Monitoring and Implementation – Plant Optimization.	
Practicum	Assignment on Micro Entrepreneurs Development Survey to analyse Technical Feasibility in Micro Enterprises	
Module II	Micro Enterprises: Financial and Economic Viability	15
	Appraisal of Financial Feasibilities – Cost of the Project – Land and Building, Plant and Machinery, Furniture’s and Fixtures, Pre-Operative Expenses, Fixed and Working Capital – Means of Strategic Finance – Own Contribution and Venture Capital, Term Loans, Subsidy and Government Schemes, Other Sources, Economic Viability – Profit and Losses, Break Even and Bottom Line.	
Practicum	Identify the factors of economics viability in micro enterprises and write an assignment	
Experiential Learning/ Practicum	Visit a Micro Enterprise and write a report of 15-20 pages about consisting of the following:	30
Format of the	1. Name and Address of the Micro Enterprise Visited	

Report	<ol style="list-style-type: none"> 2. Certificate from the Micro Enterprise Stating the students visit and learning about the Micro Enterprises : Technical Feasibility 3. Certificate from the concerned HOD & Concerned teacher 4. Brief Profile of the Micro Enterprise 5. Lessons Learnt about Micro Enterprises: Technical Feasibility, Financial and Economic Viability, Launching a Business, Product Marketing, Sources of finances, Challenges faced, Strategies to Overcome it, etc...., 	
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References	
1	Bessant J and Tidd J (2011): Innovation and Entrepreneurship, 2nd Edition, John Wiley & Sons.
2	Desai, V (2021): Small Scale Industries and Entrepreneurship, Himalaya Publishing House, Mumbai.
3	Desai, V (2011) : Dynamics of Entrepreneurial Development and Management, Himalaya Publishing House, Mumbai.
4	Donald F K (2014): Entrepreneurship – Theory, Process and Practice, 9th Edition, Cengage learning.
5	Hirsch, R.D., Peter, M and Shepherd D (2006): Entrepreneurship, 6 th Edition, Tata McGraw-Hill, Mumbai.
6	Kanaka S S (2013): Entrepreneurial Development, S.Chand & Co. New Delhi.
7	Nagendra and Manjunath, V.S. (2010): Entrepreneurship and Management, Pearson.
8	Roy R (2011): Entrepreneurship, 2 nd Edition, Oxford University Press.
9	Stokes, D and Wilson, N. (2010): Small Business Management and Entrepreneurship, 6 th Edition, Cengage Learning.
10	Sundar, K (2011) : Entrepreneurial Development, Vijay Nicole Imprints Pvt. Ltd.

BA–ECONOMICS
VIth SEMESTER

Program Name	BA in Economics	Semester	Sixth Semester
Course Title	Project Planning and Management		
Course Code:	ECO V2B	No. of Credits	2+1
Contact hours	30+30 Hours	Duration of SEA/Exam	2 hours
Formative Assessment Marks	50	Summative Assessment Marks	50

Course outcomes; On completion of the course, the students should be able to

- CO1-formulate and present a practicable project idea
- CO2-prepare a realistic economic plan
- CO3-describe models and methods to lead, carry out, document and evaluate project
- CO4-describe an intended project in a complete project plan
- CO5-review and evaluate own and others' project plans critically.
- CO6-Understand the content for preparing a Project Report for new projects and differentiate between financial, technical analysis and business feasibility.

MODULES	DESCRIPTION	60 Hours
Module I	Introduction to Project Planning and Management	15
	Meaning, Definition, Nature & Scope, Types - Schedule planning, Resource planning, Budget planning, Procurement management, Quality planning, Communications planning. Key elements of a successful project planning, and Process of Project planning.	
Practicum	Assignments on project planning and management activities. Group discussion on project planning.	
Module II	Project Management Implementation and Stakeholder Management and Project Controlling	15
	Project Management: Meaning, definition, Objectives, Nature and Importance, Project Management Skills - Qualities of the best project manager, Project Management life Cycle; Project Implementation: Definition, Implementation Tools, and Process, Performance and quality control measurements. Stakeholder Management: Definition, Features, Importance, Risk Management; Definition, importance, techniques; Project Controlling System: Meaning, Pre-requisites, Process, Essentials, Methods, Project completion.	
Practicum	Discussion on the Skills of project management, Decision Making, Problem-Solving, and risk-management skills In small groups, try to identify the LARGEST project each of you has been involved with.	
Experiential Learning/ Practicum	Visit an Enterprise and write a report of 15-20 pages about consisting of the following:	30
Format of the Report	1. Name and Address of the Enterprise Visited 2. Certificate from the Enterprise Stating the students visit and learning about the Project Planning and Management	

	<ol style="list-style-type: none"> 3. Certificate from the concerned HOD & Concerned teacher 4. Brief Profile of the Enterprise 5. Lessons Learnt about Project Planning and Management Implementation, Stakeholder Management and Project Controlling Launching a Business, Product Marketing, Sources of finances, Challenges faced, Strategies to Overcome it, etc....., 	
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References	
1	Adrienne Watt (2014) Project Management – 2nd Edition, publisher, BC CAMPUS open access books library.
2	<u>Davies A. Igberaese</u> (2023) .Introduction to Project Management ,Routledge Taylor &Francis Group
3	Harold Kerzner (2013), Project Management; A Systems Approach to Planning, Scheduling, and Controlling, WILEY INDIA
4	Joseph Heagney (2019) Fundamentals of Project Management, 5th Edition, Amacom Publication
5	Kalpesh Ashar (2022), Project Management Essentials; You Always Wanted To Know, Vibrant Publication
6	Project Management from Simple to Complex, open text book Publisher: University of Minnesota Libraries Publishing
7	Albert lester(2021)Project management ,planning and control
8	Rory Burke (2009), Project Management Planning And Control Techniques, 4Th Edition, WILEY INDIA.

BA–ECONOMICS
VIth SEMESTER

Program Name	BA in Economics Internship	Semester	Sixth Semester
Course Title	Internship		
Course Code:	Skill Enhancement Course	No. of Credits	2
Contact hours		Duration of SEA/Exam	Practical
Formative Assessment Marks	50	Summative Assessment Marks	NA

INTRODUCTION:

Internship [Organizational work] is an integral part of the National Education policy- 2020. Its objective is to equip students with job skills and communication abilities, enabling them to bridge the gap between theoretical knowledge and practical application. The internship program incorporates various interventions that offer students exposure to real-life job experiences and expectations, empowering them with insights into the workings of different industries.

The internship is strategically positioned during the 6th semester of the Bachelors of Arts in Economics program. This timing provides students with a strong foundation in economics, enabling them to apply their knowledge in real-world settings. Additionally, the program caters to the critical need for teaching skills in economics and administration, enhancing the academic qualifications of students. Overall, the internship program aims to prepare students for the job market, thereby bridging the gap between academia and the professional world.

OBJECTIVES:

The objectives of conducting program are:

1. To boost students' employability by imparting soft skills that are essential in everyday life.
2. To enable students discover their professional strengths and weaknesses and align them with the changing economic environment.
3. To provide an opportunity for students to apply theoretical concepts and knowledge in real life situations at the work place.
4. To prepare students to understand organization culture and familiarize them with the organization needs.

5. To enable students to manage resources, meet deadlines, identify and undertake specific goal-oriented tasks.
6. To sharpen domain knowledge and provide core competency skills.

Internship Requirements & General Guidelines:

A. Nature of internship project work:

1. Every Student is required to work in an organization (a firm, self- help groups/cooperatives/farms or any rural economy components) for at least two months as part of Internship.
2. The student shall identify an internship work place.
3. Maximum five students of the same department from a College/University shall work for Internship in the same organization.
4. Internship work may be to carry out Professional work.
5. The internship shall be paid or unpaid.
6. While, working from the organizational premises is encouraged, in certain cases, virtual internship shall be considered.

B. Duration of Internship:

1. The Internship works shall be for a period of TWO months [Sixty Days].
2. The internship commence from the first day of the sixth semester.
3. Student is expected to carry out his/her Internship works during the first FIVE days of the week, and shall report to the department on a weekly basis.
4. The duration of the work shall be specified by the organization at the beginning of the program and the number of hours spent shall be in line with the prevailing rules.

C. Guide and Mentor:

1. An internal mentor shall be assigned by the University/College for the smooth conduct and supervision of the internship program.
2. The internal mentor shall provide guidance students in securing internship and to monitor the progress.

D. Protocol of the Internship work:

1. The head of the institution shall issue an internship work authorization letter during the 5th semester to the College or Organization where student is expected to join the internship work.
2. Student is expected to take up the preliminary work such as identifying the organization and engaging in securing in an offer from an organization
3. During the 5th semester, students who secured an offer must get consent offer signed by the principal/head to carry out internship.
4. Student must submit the joining report with the date of joining for internship to the department head through internal mentor.
5. In case of professional work, the student is expected to be regular in performing his/her duties/tasks assigned to him/her by the Organization.

E. Evaluation:

1. All the students should obtain a certificate of internship from the workplace. This certificate shall mention the name of the candidate, the organizations name and duration of work. A letter describing the work of the candidate is desirable. The certificate shall be submitted to the department head.
2. The performance of a candidate shall be assessed for maximum of 100 marks.
3. The assessment methods shall be decided by the Universities based on the existing conventions.
4. The assessment method shall consist of an internship report submitted by the students based on the work experience and a viva-voce/presentation.
5. **Viva-voce/Presentation:** There shall be a viva-voce examination will be conducted for by the department where each student is expected to give a presentation and submit necessary documents.

F. Marks allocation for Internship Work:

Statement of Marks Secured		
Item	Maximum Marks	Marks Obtained
Candidate Attendance for teaching/work		
Candidate Punctuality for teaching/work		
Course Work Preparation/ Work Commitment		
Students Feedback/Employer Feedback		
Behavioural Attitudes		

Overall Observation		
Total		
Total Marks Secured by student in Words:		

Viva-voce by Chairman and an Expert Drawn from Other University for 30 Marks			
Sl. No	Aspects	Maximum Marks	Marks Obtained
1	Presentation Skills		
2	Communication Skills		
3	Subject Knowledge		
Total			

Note: Assessment needs to be done as per the regulation.

BSc Honours
in
Economics
5th & 6th Semester

BANGALORE CITY UNIVERSITY,
BENGALURU

BSc–ECONOMICS
Vth SEMESTER

Program Name	B.Sc. in Economics	Semester	Fifth Semester
Course Title	Introduction to R Software		
Course Code:	ECO C9	No. of Credits	4
Contact hours	60 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcome: After the successful completion of the course, the student will be able to:		
<ul style="list-style-type: none"> • CO1. Enables to do programming in R • CO2. Students can able to gain skill in analysing the data. • CO3. To acquaint with the recent advances in R 		
Modules	Description	60 Hours
Module I	Introduction to R	10
	Installation Procedure - Help - Demo Examples - Packages and Libraries - Command Line - Data Editor - R Studio.	
Practicum	Develop an R script and execute it	
Module II	Basics in Calculations	16
	Basics and R as a Calculator - Multiplication and Division - Addition and Subtraction Built in Functions and Assignments - Matrix Operations - Creation of a Matrix - Properties - Transpose - Multiplication - Addition and Subtraction - Submatrices - Inverse.	
Practicum	Solve a problem on Submatrices - Inverse	
Module III	Missing Data and Logical Operations	16
	Missing Data - Logical Operations and Comparisons - Control Statements - Loops - Conditional Execution - Sequences - Repeats, Sorting and Ordering - Lists - Vector Indexing - Data Management with Strings - Display and Formatting.	
Practicum	Group Discussion on Missing Data and Logical Operations	
Module IV	Descriptive Statistics and Functions in R	18
	Frequencies - Absolute and Relative, Partition Values - Quartile - Decile - Percentile, Graphics - Bar Plots - Pie Chart - Histogram - Scatter Plot, Descriptive Statistics - Mean - Median - Mode - Variability - Variance - Range - Standard Deviation, Statistical Distribution - Skewness - Kurtosis, Statistical Functions - Correlation - Regression - Regression Line - Goodness of Fit.	
Practicum	Presentation on Descriptive Statistics and Functions in R	

References

1	Alain F. Zuur, Elena N. Ieno, Erik H.W.G. Meesters (2009), A Beginner's Guide to R (Use R), Springer Cham Publications.
2	Gareth James, Daniela Witten, Trevor Hastie, and Robert Tibshirani, (2013), Introduction to Statistical Learning with Applications in R, Springer Cham Publications.
3	Christian Heumann, Michael Schomaker, Shalabh (2017), Introduction to Statistics and Data Analysis - With Exercises, Solutions and Applications in R, Springer Cham Publications.
4	McKinney, W. (2012). Python for data analysis: Data wrangling with Pandas, NumPy, and IPython, O'Reilly Media, Inc.

BSc–ECONOMICS
Vth SEMESTER

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

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

CO1. Understand introductory Public Finance concepts.

CO2. Study the causes of market failure and corrective actions

CO3. Understand the impact, incidence and shifting of tax

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

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

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

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

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

MODULES	DESCRIPTION	60 Hours
Module I	Introduction to Public Economics	15
	Public Economics: Meaning, definitions, Scope and Significance, Public Finance and Private Finance: Meaning, and Distinction; Public good and private good: Meaning, Characteristics, and Distinction, Principle of Maximum Social Advantage, Market Failures: Meaning, causes-role of externalities; Market failure and role of government; Corrective actions.	
Practicum	Group Discussions on Public Finance and private finance; public good and private good Assignment on Market failure and government intervention	
Module II	Public Revenue and Public Expenditure	18
	Meaning and sources of revenue; Taxation –Cannons of taxation, Characteristics of a sound tax system, Impact, Incidence- Division of Tax burden, Shifting of tax, Economic Effects of tax on production, distribution and other effects, Progressive and Regressive, Proportional Tax, Direct and Indirect Taxes –Merits and Demerits, Taxable Capacity: Meaning and determinants. Public Expenditure; Meaning, classification, principles, Types & Cannons, Reasons for the growth of public	

	expenditure, Wagner's law of increasing state activities, Peacock-Wiseman hypotheses, Effects of public expenditure: Production, Distribution & Other effects	
Practicum	Mini-project/study to ascertain the impact of GST on retailers/wholesalers in your vicinity A case study on the taxable capacity of the different sections of society in the vicinity Assignment on Effects of public expenditure: Production, Distribution & Other Effects	
Module III	Public Debt	12
	Public Debt: Meaning, Purpose, Types & Effects; Sources of Public Borrowing; Burden of Public Debt -Classical/ Ricardian views, Keynesian and post-Keynesian views; Intergenerational equity of public debt; Causes of the Rise in Public Debt; Methods of debt redemption; Debt management.	
Practicum	Studying the burden of public debt through a project/ case study Assignment on Debt Management	
Module IV	Public Budget, Fiscal Policy and Fiscal Deficit	15
	Budget: Meaning, process & Types of budget, Economic and functional classification of the budget; Balanced and unbalanced budget, Types of Budget Deficits; Fiscal Policy: Meaning, objectives & Tools; Fiscal deficit: Meaning, Computation, Deficit Financing: Meaning, Advantages and Disadvantages	
Practicum:	Calculation of various types of budget deficit using the budget data Group discussion on the advantages and disadvantages of deficit financing	

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

BSc–ECONOMICS
Vth SEMESTER

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

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

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

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

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

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

BSc–ECONOMICS
Vth SEMESTER

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

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

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

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

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

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

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

BSc–ECONOMICS
Vth SEMESTER

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

Course Outcome: After the successful completion of the course, the student will be able to:

- CO1. name several experiments performed in each fields of economics, and describe how the results affirm (or differ from) economic theory and/or field data.
- CO2. Understand how to design and run an experiment.
- CO3. Develop the ability to read recent journal articles in experimental economics and evaluate the quality of the papers. Students are expected to read assigned journal articles and book chapters during class and present one article and/or chapter in class.

MODULES	DESCRIPTION	45 Hours
Module I	Introduction to Experimental Economics	15
	Experimental Economics and Behavioral Game Theory-Risk and Time Preferences - Basic Principles of Experimental Design	
Practicum	Group Discussion on Basic Principles of Experimental Design	
Module II	Behavioral Game Theory	15
	Social Preferences: Ultimatum, Dictator and Trust Games- Mixed-Strategy Equilibrium-Bargaining - Dominant Solvable Games - Level-k Model	
Practicum	Conduct an Experimental session on Behavioral Game Theory	
Module III	Markets and Strategic Behavior	15
	Learning - Coordination and Equilibrium Selection-Signaling, Reputation and Cheap Talk - Neuroeconomics: fMRI and Eye tracking - Field Experiments-Prediction Markets and Asset Bubbles -Market Design	
Practicum	Demonstrate the difference between economic theoretical predictions and actual behavior.	

References	
1	C. A. Holt, Pearson Addison Wesley (2007) Markets, Games & Strategic Behavior,
2	J. H. Kagel and A. E. Roth, Princeton University Press (1997), The Handbook of Experimental Economics.

BSc–ECONOMICS
Vth SEMESTER

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

<p>Course Outcome: After the successful completion of the course, the student will be able to:</p> <ul style="list-style-type: none"> • CO1 Acquaint with Artificial Intelligence? • CO2. Understand the importance of Artificial Intelligence in the growth and development of the economy. • CO3. Understand the impact and implications of Artificial Intelligence on the various aspects of the economy • CO4. The Implications of Artificial Intelligence for Public Policy

MODULES	DESCRIPTION	45 Hours
Module I	Introduction to Artificial Intelligence	15
	What is Intelligence? - agents and their goals, substrates; Evolution of biological intelligence – history, benefits and costs, emotions, empathy and cooperation, language and human culture; Evolution of artificial intelligence: history of AI - second machine age, the third digital revolution, the fourth industrial revolution; Machine Learning – Its impact on Economics, Ubiquitous computing, Clouds, Big data, Block chains, Software agents, robots and Digital Innovations; Artificial Intelligence - Theory of Decision Making, General Purpose Technology; Economic Potential of Artificial Intelligence – Innovations; AI and Privacy	
Practicum	Presentation on Machine Learning – Its impact on Economics	
Module II	Artificial Intelligence and the Economy	18
	Intelligent Economy – Platform economy, Gig economy, Sharing economy, Block chain economy, Crypto currency economy; Artificial Intelligence and Economic Growth – Productivity Gains, Knowledge Production Function; Implications of automation and AI on the demand for labor, wages, and employment; Artificial Intelligence – Research and Development, Structural Transformation, Income redistribution and Employment, Role of Demand; AI and Industrial Organization – Need for firm level data; Impact of AI and Machine Learning on Market Design; Macroeconomic Impact of AI.	
Practicum	Identify the role of Crypto currency in economic development and write a report	
Module III	Policy Implications of Artificial Intelligence	12
	Public Policy in an AI Economy - redistribution vs predistribution, concerns about inequality, steering technological progress; What shall be taxed? - labour vs capital; robots vs scarce factors? AI and International Trade -	

	policy implications with respect to investments in research, and behind-the-border regulations such as privacy, data localization, standards, and competition; Economics of Tort Liability – Punishing Robots; AI and Behavioural Economics; Ethical Challenges in the Intelligent economy – Challenges for Society, Challenges for ethics; Social attitudes: deriving meaning & dignity from work	
Practicum	Debate on Policy implications of Artificial Intelligence	

References	
1	Agrawal Ajay, Gans Joshua & Goldfarb Avi (2019). <i>The Economics of Artificial Intelligence – An Agenda</i> , NBER and University of Chicago Press
2	Brynjolfsson, Erik and Andrew McAfee (2015), <i>The Second Machine Age: Work, Progress, and Prosperity in a Time of Brilliant Technologies</i> , W.W. Norton.
3	Kahin.B & Brynjolfsson.E (2000), <i>Understanding the Digital Economy: Data, Tools and Research</i> , Cambridge, Mass: The MIT Press
Academic Articles	
1	Berg, Andrew, Edward F. Buffie, and Luis-Felipe Zanna (2017), “Robots, Growth, and Inequality: Should We Fear the Robot Revolution? (The Correct Answer is Yes),” forthcoming, <i>IMF Working Paper</i> .
2	European Political Strategy Centre, <i>The age of artificial intelligence</i> , EPSC Strategic Notes, March 2018.
3	Frey, Carl Benedikt, and Michael A. Osborne (2013), “The Future of Employment: How Susceptible Are Jobs to Computerisation?” Oxford University paper.
4	Gries T. and Naudé W., <i>Artificial Intelligence, Jobs, Inequality and Productivity: Does Aggregate Demand Matter?</i> , Institute of Labor Economics, Discussion paper No 12005, November 2018.
5	Korinek, Anton and Joseph Stiglitz (2019), “Artificial Intelligence and Its Implications for Income Distribution and Unemployment,” in Agrawal et al.: <i>The Economics of Artificial Intelligence</i> , NBER and University of Chicago Press, May 2019.
6	McKinsey Global Institute, <i>Notes from the AI frontier – Modeling the impact of AI on the world economy</i> , discussion paper, September 2018.
7	OECD, <i>Digital economy outlook 2017</i> , October 2017.
8	PricewaterhouseCoopers, <i>The macroeconomic impacts of artificial intelligence</i> , February 2018.

BSc–ECONOMICS
Vth SEMESTER

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

Course outcomes; On completion of the course, the students should be able to		
<input type="checkbox"/> CO1. Interpret and evaluate tourism as a phenomenon and as a business system. <input type="checkbox"/> CO2. Understand economic benefits such as tax revenues, job creation, or diversification of Local economies <input type="checkbox"/> CO3. Contextualize tourism within broader cultural, environmental and economic Dimensions <input type="checkbox"/> CO4. Develop and evaluate tourism policy and planning initiatives. <input type="checkbox"/> CO5. Propose and conduct a research project to inform tourism practice <input type="checkbox"/> CO6. Critique tourism practices for their implications locally and globally		
MODULES	DESCRIPTION	60 Hours
Module I	Introduction to Tourism	15
	<p>Tourism: Concepts, definition, objectives, Nature and scope, significance, History, Tourist, Traveler, Excursionist .Types and forms: Inter-regional and intra-regional tourism, Inbound, outbound, Domestic and International. . Forms of Tourism: religious, Medical Tourism, historical, social, adventure, health, business, conferences, conventions, incentives, sports and adventure tourism. Tourism system: Nature, characteristics and components of Tourism Industry. Tourism Demand and supply: Measures, patterns, Characteristics and factors influencing tourism Demand and Supply.</p>	
Practicum	<p>Assignments on Types and forms of Tourism, Group discussions on factors influencing Demand and supply of Tourism.</p>	
Module II	Growth, Development & Impact of Tourism on Economic development	15
	<p>Growth and Development of Tourism: post - second world war phenomenon, causes of rapid growth and modern tourism. Role and functions of Important Tourism Organizations: ITDC, State Tourism Development Corporations, Ministry of Railways & Civil Aviation, WTO, IATA, (International Air Transport Association), TAAI, (Travel Agents Association of India) WTTC (World Travel and Tourism Council) FHRAI. (The federation of Hotel and Restaurant Association of India), Important Tourism Destinations of India and Karnataka. Policy initiatives of Tourism Development Economic Impact: contribution to GDP/SDP, Economic benefits, the multiplier effect, development of infrastructure, Regional development, effects on</p>	

	employment, tourism & economic value of cultural resources. Social, Cultural and Environmental Impacts.	
Practicum	Presentation on economic, social, cultural and Environmental impacts	
Experiential Learning/ Practicum	Education trip to important tourist destinations for the students and submit report consisting 15-20 pages	30
Format of the report	Name of the place – location - means of traveling to the destination - employability of tourism- climate - best season to visit - picturesque landscape - lodging and food - recreational facilities - places of interest in the area - local language/dress - handicrafts/products - overall experience	

References	
1	Bhatia A.K (2003) International Tourism, Sterling Publishers Pvt Ltd, New Delhi
2	Bhatia A.K (2003) International Tourism, Sterling Publishers Pvt Ltd, New Delhi
3	Bhatia AK (2002), Tourism Development: Principles and Practices, Revised edition Sterling Publishers Private Limited, New Delhi.
4	Dennis L & Foseter – Glencoe (2003), an Introduction to Travel & Tourism, McGrawHill International
5	Revathy Girish (2007), Indian Tourist Panorama, Dominant Publishers and Distributors, New Delhi.
6	Introduction to Tourism-A K Bhatia
7	Tourism System-Mill R C and Morrison
8	Tourism Development- R Garther
9	Sati V.P (2001), Tourism Development in India, Pointer Publications,Jaipur.
10	Singh Anand (2005), Tourism in Ancient India, Serials Publications, New Delhi.
11	Sinha R.K (2003), Growth and Development of Modern Tourism, Dominant Publishers, New Delhi.

6th Semester

BSc–ECONOMICS
VIth SEMESTER

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

Course Objective:

- To understand the basic actuarial techniques
- To understand the concepts of finance and its application in actuarial economics

Course Outcome: After the successful completion of the course, the student will be able to:

- CO1. Enables understanding on Actuarial Economics and Insurance sector.
- CO.2.To acquaint with advances in financial models

Modules	Description	60 Hours
Module I	Introduction to Actuarial Economics	10
	Principles of Actuarial Economics - Importance of Finance and Mathematics in Actuarial Economics - The concept of Insurance - Classification of Insurance - Types of Life Insurance - History of Insurance in India - Insurance regulatory and development Act.	
Practicum	Assignment on Principles and Importance of Finance and Mathematics in Actuarial Economics	
Module II	Theory of Interest	18
Chapter 4	Time value of money - Simple interest, compound interest, depreciation, investing over a period. Cash flow models - Zero coupon bonds, fixed interest securities, index linked securities, equity, annuity, an interest on loan, repayment loan. Interest rates - Nominal rate, effective rate and force of interest.	
Practicum	Calculate Simple interest, compound interest, depreciation	
Module III	Theory of Uncertainty and Risk Models	18
	Axioms of choice under uncertainty; utility functions; expected utility theorem; measures of risk-absolute and relative risk aversions; measures of investment risk-variance of return, semi-variance of return Decision Theory: Zero-sum two-player games – Domination - The Minimax criterion - Saddle points.	
Practicum	Presentation on Theory of Uncertainty and Risk Models	
Module IV	Portfolio Theory	14
	Portfolio Theory - Benefits of Diversification, Models of Asset Returns: - Multifactor Models - The Single Index Model, Asset Pricing Models: - The	

	Capital Asset Pricing Models (CAPM) – Limitations of CAPM.	
Practicum	Group discussion on Portfolio Theory and Benefits of Diversification	

References	
1	Stephen G. Kellison, The theory of interest. Irwin Mc Graw Hill, 2008.
2	John Hull, Futures, Options and financial derivatives, Prentice hall publication
3	Panjer, Harry,H. (1998), Financial economics with applications to investments, Insurance and pensions. The Actuarial foundation.

BSc–ECONOMICS
VIth SEMESTER

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

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

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

MODULES	DESCRIPTION	60 Hours
Module I	Public Revenue	18
	Direct Tax Revenue - Sources of Revenue-Tax and Non-Tax Revenue; Trends and Patterns of Tax Revenue in India; Direct and Indirect Taxes in India; Personal Income Tax Rates and Slabs; Corporate Tax- Tax Rate and Slabs; Indirect Tax Revenue - Indirect Taxes – Earlier Taxes-VAT and MODVAT; Goods and Services Tax (GST)- Objectives and Classification of GST, Tax Rates of GST; Trends and Patterns of GST; Impact of GST on Indian Economy; Tax Reform Commissions.	
Practicum	Collection and analysis of data on Direct tax Collection and analysis of GST from businesses	
Module II	Public Expenditure	15
	Revenue Expenditure - Classification of Public Expenditure in India; Revenue Account Expenditure- Trends and Patterns; Capital Account Expenditure-Trends and Patterns; Fiscal Responsibility and Budget Management (FRBM) Act; Impact of Public Expenditure on Indian Economy; Expenditure Reforms Commission (ERC) in India; Union Budget and Its Analysis - Meaning and Classification of Budgets; Zero-Based Budget; Composition of Union Budget; Union Budget Analysis (current one); Different Concept of Deficits- Revenue, Fiscal, Primary Deficits	
Practicum	Analysis of Union Budget (Current one) Group Discussion on Budget Deficits	
Module III	Public Debt and Its Management	14

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

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

BSc–ECONOMICS
VIth SEMESTER

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

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

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

MODULES	DESCRIPTION	60 Hours
Module I	International Trade Theories	15
	Meaning and Importance of International trade; Differences between Internal and International Trade; Trade Theories: Mercantilist view; Absolute cost and comparative cost advantage theories; Haberler's Opportunity cost theory; Hecksher-Ohlin theory; Leontief's paradox	
Practicum	Assignment on Ricardo's Comparative cost advantage and Leontief's paradox	
Module II	Terms of Trade and Commercial Policy	18
	Terms of trade- Concept and Types, Factors determining Terms of Trade; Commercial Policy: Free trade v/s Protection; Tariffs: Types and effects; Quotas; Anti-dumping; Economic Integration: Meaning and stages.	
Practicum	Debate: Free trade v/s Protection Mini project: Trace the evolution of India towards Economic Integration	
Module III	Balance of Payment and Capital Flow	12
	Balance of Payment: Concept, Components; Disequilibrium in Balance of Payment: Causes and Measures to correct disequilibrium; Foreign Exchange rate: Meaning and types; determination of Foreign exchange rate: Demand for and Supply of Forex; Purchasing Power Parity (PPP) theory; Capital Flow: Meaning and concept of Foreign Investment; Forms of FDI; Advantages and disadvantages of FDI.	
Practicum	Prepare India's Balance of Payment statement using recent Economic Survey Assignment on Forms of FDI	

Module IV	International Finance and Trade Institutions	15
	Bretton Woods Institutions: IMF and IBRD -IDA and IFC: Organization, Objectives, Functions and their role in developing countries; Evolution of WTO: GATT – principles and objectives; WTO: Organization, Objectives, Functions, Agreements and current issues; WTO and developing countries;	
Practicum:	Group Discussion: Effectiveness of IMF and IBRD in developing countries Seminar: Agreements of WTO or current issues of WTO	
References		
1	Sodersten. B. (1993): International Economics, MacMillan, 3 Edition, London,	
2	Salvatore, D. (2016): International Economics, 12 Edition, Wiley Publication	
3	Vaish, M. C. and Sudama Singh (1980): International Economics, 3 Edition, Oxford and IBH Publication, New Delhi.	
4	Carbaugh, R. J. (1999): International Economics, International Thompson Publishing, New York	
5	Dana, M. S. (2000): International Economics: Study Guide and work Book, 5. Edition, Routledge Publishers, London.	
6	Kenen, P. B. (1994). The International Economy, Cambridge University Press, London.	
7	Krugman, P.R. and M. Obstfeld (1994): International Economics: Theory and Policy Addison-Wesley Publications.	
8	Jackson, JD. (1998) The World Trading System, Cambridge University Press, Mass.Cherunilam, International Economics, TMH, New Delhi.	
9	D M Mithani, International Economics, Himalaya , Mumbai.	
10	Jhingan M.L.(2016): International Economics, Vrinda Publications Pvt Ltd-Delhi	
11	Dwivedi D.N.(2013): International Economics Theory & Policy, Vikas Publishing House Pv.t Ltd.	
12	K.C. Rana & K.N. Verma (2017): International Economics; Vishal Publishing Co.	
13	Krishnamurthy H.R (2013) : Antararashreeya Arthashastra ; (Kannada version), Sapna, Bengaluru	

BSc–ECONOMICS
VIth SEMESTER

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

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

- CO1. Understand how economic methods can be applied to environmental issues facing society
- CO2. Examine the linkages between Environmental Degradation and Economic Development
- CO3. Develop an informed view regarding the potential of economics to help societies achieve their environmental goals
- CO4. Demonstrate good inter-personal and communication skills through writing an essay and contributing to critical discussion
- CO5. Analyze environmental problems and to assess environmental policies

MODULES	DESCRIPTION	60 Hours
Module I	Environment and Ecology	15
	Meaning, Nature and Scope of Economics of Environment; Linkages between Environment and the Economy; Environmental Kuznets curve; Environmental Stress; Population and Environment; Poverty and Environment; Meaning and elements of ecology; Biotic and Abiotic components; Food, Hydrological and Carbon Cycles; Material Balanced Principle (Entropy law); Meaning and strategies to achieve Sustainable Development; Rio Summit; Green Accounting Introduction to SDGs	
Practicum:	Making charts relating to SDGs or Assignments on environment-economy linkages at the local level	
Module II	Natural Resources Scarcity and Conservation	15
	Meaning and Characteristics of Renewable and Non-renewable resources; Non-Renewable Resources and the problem of depletion and problem of overuse ; Resource Scarcity and Economic Growth (Limits to Growth Model); Energy and Economic Development; Energyresources and their Pricing; Alternative energy sources; Conservation of Natural Resources-3Rs – Reduce, Reuse and Recycling Measures	
Practicum:	Identifying local resources; Project on resource conservation (esp. water) at the College level; Discussion on Limits to Growth	
Module III	Environmental Pollution	15

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

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

BSc–ECONOMICS
VIth SEMESTER

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

Course Outcome: After the successful completion of the course, the student will be able to:

- CO1. Students shall be able to understand the role of information in contemporary economics.
- CO2. Students are expected to understand the strategies for pricing information.
- CO3. Students are expected to understand relevance of information policy in contemporary digital economy.

MODULES	DESCRIPTION	45 Hours
Module I	Role of Information in Economy	15
	Foundations of the Information economy-Introduction to Information economy-Definition of information good-The cost of producing information-Managing intellectual property-Economic and public good-The economics of attention-Technology Systems competition Lock-in and switching costs-Positive feedback, network externalities, and standards Policy	
Practicum	Assignment on Role of Information in Economy	
Module II	Strategies for Pricing Information	15
	Pricing Information Goods-Cost of producing information-Costs and competition-Product Personalization-Product pricing-Personalized pricing-Versioning-Group pricing- Price sensitivity, Network effects, Lock-in, Sharing Versioning Information-Types of versioning-Value-subtracted versions-Avoiding pitfalls in versioning-On-line and off-line versions-Goldilocks pricing-Customizing the browser-Bundling-Promotional pricing	
Practicum	Survey on Strategies for Pricing Information and write a report on it	
Module III	3 Strategies for Information Industries and Information Policy in New Economy	15
	Cooperation and Compatibility-How standards change the game-Winners and Loser from standards-Tactics in formal standard-setting-Managing open standards-Case Study- Linux Adoption in the Public Sector: An Economic Analysis-Waging a Standards War-Classification of standards wars-Information-age standards wars-Key assets in network markets-Two basic tactics in standards wars-Capstone case: Microsoft Netscape Information Policy overview-Price differentiation-Competition policy-Telecommunications regulation and policy in brief (Indian context)	

	The components of Digital Economics-Twelve theme of the new economy- The ten technology shift-The Internet Economy and its Indicators-E-commerce and Digital Economy	
Practicum	Presentation on 3 Strategies for Information Industries and Information Policy in New Economy	

References [Please refer to the Latest Editions]

1	Don Tapscott. The digital economy: Promise and peril in the age of networked intelligence. McGraw-Hill. (ISBN : 0-07-063342-8)
2	Amrit Tiwana. The knowledge Management Toolkit: Practical techniques for building a knowledge Management System. Pearson Education . (ISBN 981-405-873-4)

BSc–ECONOMICS
VIth SEMESTER

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

Course Outcome: After the successful completion of the course, the student will be able to:

- CO1. What are Theoretical Distributions?
- CO2. Hypothesis Testing
- CO3. Techniques of Data Analysis – t test, ANOVA, Factor Analysis, Regression and correlation

MODULES	DESCRIPTION	45 Hours
Module I	Hypothesis Testing	15
	Types of Analysis: Univariate, Bivariate and Multivariate Data Analysis - Descriptive vs. Inferential Analysis – Theoretical Distributions – Normal, Chi-square, t, F, Binomial and Poisson Distributions – Concept of Estimator - Sampling Distribution of Estimator - Point and Interval Estimation - Properties of Good Estimator for Small and Large Samples Hypothesis Testing: Steps in Testing of Hypothesis - Approaches to Hypothesis Testing - Confidence Interval Approach -Test of Significance Approach and P-Value Approach- Formulation of Hypothesis - Null and Alternative - Level of Significance - One Sided and Two Sided Hypothesis - Type-I and Type-II Error - Test Statistic- Critical Value	
Practicum	Conduct independent research and analysis and formulate and test the hypothesis	
Module II	Techniques of Data Analysis	15
	Estimation of Mean and Variance - Test of Single Sample Mean - Two Independent Means Test - Testing for Means of Paired Data - Test of Single Sample Variance - Two Sample Variance Test – Test of Proportions - Non-Parametric Tests - Testing of Hypotheses: Concepts,. Non-Parametric Tests: Advantages & Disadvantages - Chi-square Tests - Tests for Randomness. Analysis of Variance - Assumptions for Analysis of Variance - Testing for the Equality of K Proportion Means - Between Treatments Estimate of Population Variance - Within Treatments Estimate of Population Variance - Comparing the Variance of Estimates - The F Test - Multiple Comparison Procedures.	
Practicum	Presentation on Techniques of Data Analysis	
Module III	Advanced Data Analysis	15

	<p>Factor Analysis: Meaning of Factor Analysis - Objectives of Factor Analysis - Designing a Factor Analysis - Assumptions in Factor Analysis - Deriving Factors and Assessing Overall Fit - Interpreting the Factors - Validation of Factor Analysis.</p> <p>Regression Analysis: Simple Regression, Partial Regression and Multiple Regression Analysis - Assumptions - Estimation of Regression Model.</p> <p>Correlation Analysis: Correlation Analysis - Types of Correlation: Cross Tabulation, Charles Spearman's Coefficient of Correlation, Karl Pearson's Coefficient of Correlation, Coefficient Multiple and Partial Correlation.</p>	
Practicum	Debate on Applications of advanced data analysis	

References	
1	Anderson, Sweeney and Willams, (2012) <i>Statistics for Business and Economics</i> , Thomson South Western, US.
2	Hair, Anderson, Tatham and Black (2009) <i>Multivariate Data Analysis</i> , Pearson Education, Singapore

BSc–ECONOMICS
VIth SEMESTER

Program Name	BSc in Economics	Semester	Sixth Semester
Course Title	Game Theory		
Course Code:	ECO E2C	No. of Credits	3
Contact hours	45 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcome: After the successful completion of the course, the student will be able to:

- CO1. Describe the basic elements of a game, including players, strategies, and preferences and explain the basic assumptions for the analysis.
- CO2. Analyze games with simultaneous moves and apply best response analysis to determine the equilibrium of a game.
- CO3. Analyze games with sequential moves and apply backwards induction to determine the equilibrium of a game.
- CO4. Describe and analyze a number of strategic situations frequently observed in economic, political, and social environments and explain the nature of the equilibrium.
- CO5. Describe and analyze a number of strategic situations frequently observed in the business world, including imperfect competition and incentives in organizations.

MODULES	DESCRIPTION	45 Hours
Module I	Introduction to Game Theory	15
	Basic Ideas and Examples – The GPA RAT Race – Why Professors So Mean? - How to Think about Strategic Games – Decisions versus Games - Classifying games : Sequential or Simultaneous - Conflict or Commonality – Single or Repeated with same or changing opponents - Equal or Asymmetric Information – Games with Fixed rules or Manipulable –Cooperative or Non-cooperative – some Terminology: Strategies – Payoffs – Rationality – Common Knowledge of Rules – Equilibrium – Observation and experiment – Uses of game Theory.	
Practicum	Group Discussion on the notion of a strategic game and equilibria and identify the characteristics of main applications of these concepts and write an assignment	
Module II	Games with Sequential Moves	10
	Game Trees: Nodes – Branches – Paths of Play – Uncertainty and Nature’s Moves – Outcomes and Payoff – Strategies – Tree Construction — Adding More Players – Adding More Moves	
Practicum	Solve Games using Trees – Solve Games Adding More Players and Moves	
Module III	Simultaneous Move Games – Discrete and Continuous Strategies	20
	Depicting Simultaneous Move Games with Discrete Strategies – Nash Equilibrium – Nash Equilibrium as a System of Beliefs and Choices –	

	Dominance; Both Players have Dominant Strategies - One Players has a Dominant Strategy – Successive Elimination of Dominant Strategies – Best-Response Analysis - Simultaneous Move Games with Continuous Strategies; Pure Strategies that are Continuous variables - Price Competition – Some Economics of Oligopoly – Political campaign Advertisement – General Method of Finding Nash Equilibria	
Practicum	Real World Evidence of Nash Equilibrium Computer Software to Solve Game Problems	

References	
1	Avinash K. Dixit and Barry J. Nalebuff: The Art of Strategy, W.W. Norton, 2008.
2	Martin Osborne, An Introduction to Game Theory, Oxford University Press, 2003

BSc–ECONOMICS
VIth SEMESTER

Program Name	BSc in Economics	Semester	Sixth Semester
Course Title	Operational Research in Economics		
Course Code:	ECO E2D	No. of Credits	3
Contact hours	45 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Outcome: After the successful completion of the course, the student will be able to:

- CO1. Explain the concepts of operational research and history of it.
- CO2. Explain the different approaches to decision analysis
- CO3. To optimize the objective function with given constraints.
- CO4. Solve different types of problems involving linear programming
- CO5. Discuss the concept of system analysis and identify the various categories of systems
- CO6. Describe model and analyze the different types of models
- CO7. Able to draw decision tree
- CO8. Defined simulation and highlight the various types of simulation models
- CO9. Able to perform Monte Carlo simulation.

MODULES	DESCRIPTION	45 Hours
Module I	Fundamentals of Operation Research	15
	Operations Research (OP) – Objectives, History and Development, Definition, Characteristics of Operation Research; Scientific Methods in Operations Research- The Judgment Phase, The Research Phase, The Action Phase ; Necessity of Operations Research in Industry ; Scope and Applications of Operations Research; Scope of Operations Research in Financial Management Tools of OP: Linear Programming (LP)- Formulation of LP Problems, Constrained maximization and minimization, Graphical and algebra solution for LP problems.	
Practicum	Designing LP Problem Empirically optimizing objective function Verification of graphical solutions with algebra method. Solving the LP problem in Excel Sheet.	

Module II	Modeling in Operational Research	15
	Introduction , Objectives, Definition, and Classification of Modeling; Characteristics of Good Models , Advantages of Models, Limitations of Models, Constructing a Model ; Types of Mathematical Models ; Introduction to Decision Tree: Definition, Benefits and Disadvantages of Using Decision Tree, Components of the Decision Tree, Structure of a , Decision Tree , Analysis of Decision Tree.	
Practicum	Construction of different operation research models Drawing decision tree	
Module III	Simulation and System Analysis	15
	Introduction to Simulation: Objectives, Definition, Advantages of Simulation Technique, Application of Simulation, Limitations of Simulation Technique, Monte Carlo Simulation Introduction to System Analysis: Objectives, Definition, The Systems Theory, Elements of a System, Types of Systems; Forms of Systems - Conceptual System, Mechanical System, Social System, Deterministic System, Probabilistic System; The Concept of Entropy in a System.	
Practicum	Simulation experiments Monte Carlo Simulation using software Analysis of probability systems.	

References	
1	Dixon – Ogbechi, B.N. (2001). <i>Decision Theory in Business</i> . Lagos: Philglad Nig. Ltd.
2	Gupta, P.K. & Hira, D.S. (2012). <i>Operations Research</i> , New Delhi: S. Chand & Company.
3	Rama Murthy P (2007). <i>Operations Research</i> , New Delhi: New Age International (P) Limited, Publishers
4	Taylor III, B.W. (2007). <i>Introduction to Management Science</i> , (9th ed.). New Jersey: Pearson Education Inc.

BSc–ECONOMICS
VIth SEMESTER

Program Name	BSc in Economics	Semester	Sixth Semester
Course Title	Economics of Stock Market		
Course Code:	ECO V2A	No. of Credits	2+1
Contact hours	30+30 Hours	Duration of SEA/Exam	2 Hours
Formative Assessment Marks	50	Summative Assessment Marks	50

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

- CO1. Understand the functioning, structure, and regulation of the stock market in India.
- CO2. Analyze different types of stocks, their characteristics, and their impact on risk and returns tradeoffs.
- CO3. Demonstrate the process of investing in the stock market, including opening a demat account, understanding trading windows, and buying and selling stocks.
- CO4. Utilize technical analysis tools such as chart analysis, trend analysis, and major indicators to develop effective trading strategies.
- CO5. Conduct fundamental analysis by interpreting financial statements, calculating financial ratios, and applying valuation methods.
- CO6. Apply risk management techniques and investment biases in real-time stock trading scenarios.

Modules	Description	60 Hrs
Module I	Fundamentals of stock market	15
	Overview of capital market, Stock market in India: Function, structure and regulation, features and participants; Types of stocks and their characteristics; Stock market indices; Equity Issue methods; primary and secondary markets; Risk and returns tradeoff; Diversification, The process to invest: Opening demat account; Trading window; Day trade vs. long term investment; Buying and selling stocks; types of orders in stock trading; payments and trade settling cycle; stop-loss	
Practicum	Conducting mock stock trading sessions using real-time data Analyze the risk associated with stock market investments	
Module II	Technical and Fundamental analysis	15
	Technical analysis: Meaning, advantages and role, Chart analysis- types of charts and interpretation; candle charts and pattern study. Trend analysis, moving averages, support and resistance levels, sentimental indicators, volume and open interest; Major Indicators & Oscillators; Trading Strategies; Dow Theory And Elliot Wave Theory; Trading Psychology And Risk Management; Fundamental analysis: Introduction, relevance and steps; Time value of money; discount factors; risk free rate; equity risk premium; CAPM Beta; Sharpe ratio;	

	Financial Statements: Balance Sheet, Income statement, cash flow statement; Financial ratios; Valuation methods: Discounted cash flow method; Dividend discount method; Free cash flows;	
Practicum:	Complete National Stock Exchange Academy's certification in technical analysis. Using charts, demonstrate a trading strategy Assignment on various investor biases in trading	
Experiential Learning/ Practicum	Visit an Retail Brokerage Firm and write an report to know about opening a demat trading account, Online Trading and research to wide area Financial Products	30
Format of the Report	<ol style="list-style-type: none"> 1. Name and Address of the Retail Brokerage Firm Visited 2. Certificate from the Retail Brokerage Firm Stating the students visit and learning about the Fundamentals of stock market 3. Certificate from the concerned HOD & Concerned teacher 4. Brief Profile of the Retail Brokerage Firm 5. Lessons Learnt about Fundamentals of stock market, Technical and Fundamental analysis, Sources of finances, Challenges faced, Strategies to Overcome it, etc...., 	

References	
1	Graham, B. (2006). The Intelligent Investor. Collins Business Essentials.
2	NCFM, Technical Analysis module. National Stock Exchange Academy
3	NCFM, Fundamenta Analysis module. National Stock Exchange Academy
4	Patel, R. (2010). Guide to Technical Analysis & Candlesticks. Mumbai: Vision Books.
5	Sadekar, B. M. (2011). How to Make Money Trading with Candlestick Charts.
6	Palat, R. (2019). Fundamental analysis for investors (4th ed.). McGraw-Hill Education.
7	Gala, K., & Gala, A. (2019). Fundamental Analysis Shares: Become An Intelligent Investor.
8	Khan, M. Y. (2019). Indian Financial System (11th ed.). McGraw Hill Education
9	Lynch, P., & Rothchild, J. (2000). One Up on Wall Street: How to Use What You Already Know to Make Money in the Market. Penguin.
10	Paul, P. (2015). How to Avoid Loss and Earn Consistently in the Stock Market: An Easy-to-understand and Practical Guide for Every Investor. Vision Books.

BSc–ECONOMICS
VIth SEMESTER

Program Name	BSc in Economics	Semester	Sixth Semester
Course Title	Micro Entrepreneurs Development		
Course Code:	ECO V2B	No. of Credits	2+1
Contact hours	30+30 Hours	Duration of SEA/Exam	2 hours
Formative Assessment Marks	50	Summative Assessment Marks	50

Course outcomes; On completion of the course, the students should be able to

- CO1. To know how to start own Micro Entrepreneur Unit.
- CO2. To enable the students to find out various procedure of operations of Micro Entrepreneurship.
- CO3. To enable the students to gain knowledge and skills needed to run micro enterprises successfully.

MODULES	DESCRIPTION	60 Hours
Module I	Micro Enterprises : Technical Feasibility	15
	Management Evaluation – Micro Enterprises Promotion - Types of Enterprises and Management – Sole Proprietorship, Partnership, Limited Liability Partnership, Private Limited - Profile of the Management - Idea of Product – Product Line – Product Demand Estimation – Promotion and Competition Management. Technical Feasibility – Manufacturing Process – Digital Technology – AI in Manufacturing – Plant Location, Plant and Machinery Technical Feasibility, Raw-material Utilities and Human Resources, Contracts and Annual Maintenance Agreements (AMCs) – Project Monitoring and Implementation – Plant Optimization.	
Practicum	Assignment on Micro Entrepreneurs Development Survey to analyse Technical Feasibility in Micro Enterprises	
Module II	Micro Enterprises: Financial and Economic Viability	15
	Appraisal of Financial Feasibilities – Cost of the Project – Land and Building, Plant and Machinery, Furniture's and Fixtures, Pre-Operative Expenses, Fixed and Working Capital – Means of Strategic Finance – Own Contribution and Venture Capital, Term Loans, Subsidy and Government Schemes, Other Sources, Economic Viability – Profit and Losses, Break Even and Bottom Line.	
Practicum	Identify the factors of economics viability in micro enterprises and write an assignment	
Experiential Learning/ Practicum	Visit a Micro Enterprise and write a report of 15-20 pages about consisting of the following:	30

Format of the Report	<ol style="list-style-type: none"> 1. Name and Address of the Micro Enterprise Visited 2. Certificate from the Micro Enterprise Stating the students visit and learning about the Micro Enterprises : Technical Feasibility 3. Certificate from the concerned HOD & Concerned teacher 4. Brief Profile of the Micro Enterprise 5. Lessons Learnt about Micro Enterprises: Technical Feasibility, Financial and Economic Viability, Launching a Business, Product Marketing, Sources of finances, Challenges faced, Strategies to Overcome it, etc...., 	
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References	
1	Bessant J and Tidd J (2011): Innovation and Entrepreneurship, 2nd Edition, John Wiley & Sons.
2	Desai, V (2021): Small Scale Industries and Entrepreneurship, Himalaya Publishing House, Mumbai.
3	Desai, V (2011) : Dynamics of Entrepreneurial Development and Management, Himalaya Publishing House, Mumbai.
4	Donald F K (2014): Entrepreneurship – Theory, Process and Practice, 9th Edition, Cengage learning.
5	Hirsch, R.D., Peter, M and Shepherd D (2006): Entrepreneurship, 6 th Edition, Tata McGraw-Hill, Mumbai.
6	Kanaka S S (2013): Entrepreneurial Development, S.Chand & Co. New Delhi.
7	Nagendra and Manjunath, V.S. (2010): Entrepreneurship and Management, Pearson.
8	Roy R (2011): Entrepreneurship, 2 nd Edition, Oxford University Press.
9	Stokes, D and Wilson, N. (2010): Small Business Management and Entrepreneurship, 6 th Edition, Cengage Learning.
10	Sundar, K (2011) : Entrepreneurial Development, Vijay Nicole Imprints Pvt. Ltd.

BSc–ECONOMICS
VIth SEMESTER

Program Name	BSc in Economics	Semester	Sixth Semester
Course Title	Project Planning and Management		
Course Code:	ECO V2C	No. of Credits	2+1
Contact hours	30+30 Hours	Duration of SEA/Exam	2 hours
Formative Assessment Marks	50	Summative Assessment Marks	50

Course outcomes; On completion of the course, the students should be able to

- CO1-formulate and present a practicable project idea
- CO2-prepare a realistic economic plan
- CO3-describe models and methods to lead, carry out, document and evaluate project
- CO4-describe an intended project in a complete project plan
- CO5-review and evaluate own and others' project plans critically.
- CO6-Understand the content for preparing a Project Report for new projects and differentiate between financial, technical analysis and business feasibility.

MODULES	DESCRIPTION	60 Hours
Module I	Introduction to Project Planning and Management	15
	Meaning, Definition, Nature and scope, Types - Schedule planning, Resource planning, Budget planning, Procurement management, Quality planning, Communications planning. Key elements of a successful project planning, and Process of Project planning.	
Practicum	Assignments on project planning and management activities. Group discussion on project planning.	
Module II	Project Management Implementation and Stakeholder Management and Project Controlling	15
	Project Management: Meaning, definition, Objectives, Nature and Importance, Project Management Skills - Qualities of the best project manager, Project Management life Cycle; Project Implementation: Definition, Implementation Tools, and Process, Performance and quality control measurements. Stakeholder Management: Definition, Features, Importance, Risk Management; Definition, importance, techniques; Project Controlling System: Meaning, Pre-requisites, Process, Essentials, Methods, Project completion.	
Practicum	Discussion on the Skills of project management, Decision Making, Problem-Solving, and risk-management skills In small groups, try to identify the LARGEST project each of you has been involved with.	
Experiential Learning/ Practicum	Visit an Enterprise and write a report of 15-20 pages about consisting of the following:	30
Format of the	1. Name and Address of the Enterprise Visited	

Report	<ol style="list-style-type: none"> 2. Certificate from the Enterprise Stating the students visit and learning about the Project Planning and Management 3. Certificate from the concerned HOD & Concerned teacher 4. Brief Profile of the Enterprise 5. Lessons Learnt about Project Planning and Management Implementation, Stakeholder Management and Project Controlling Launching a Business, Product Marketing, Sources of finances, Challenges faced, Strategies to Overcome it, etc....., 	
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References	
1	Adrienne Watt (2014) Project Management – 2nd Edition, publisher, BC CAMPUS open access books liabrary.
2	<u>Davies A. Igberaese</u> (2023) .Introduction to Project Management ,Routledge Taylor &Francis Group
3	Harold Kerzner (2013), Project Management; A Systems Approach to Planning, Scheduling, and Controlling, WILEY INDIA
4	Joseph Heagney (2019) Fundamentals of Project Management, 5th Edition, Amacom Publication
5	Kalpesh Ashar (2022), Project Management Essentials; You Always Wanted To Know, Vibrant Publication
6	Project Management from Simple to Complex, open text book Publisher: University of Minnesota Libraries Publishing
7	Albert lester(2021)Project management ,planning and control
8	Rory Burke (2009), Project Management Planning And Control Techniques, 4Th Edition, WILEY INDIA.

CBCS Question Paper Pattern for UG Semester
DSC, DSEC & OEC

Paper Code:		Paper Title:	
Duration of Exam	2 Hours	Max Marks	60 Marks
Instruction:	Answer all the sections		

Section-A

1. Answer <u>ALL</u> the following sub-questions, each sub-question carries ONE mark	(10X1=10)
A. B. C. D. . J.	
<i>Note for Section-A: Three sub-questions from each unit and remaining one sub-question (J) from unit I to III.</i>	

Section-B

Answer any <u>FOUR</u> of the following questions, each question carries FIVE marks	(4X5=20)
2. 3. 4. 5. 6. 7.	
<i>Note for Section-B: Minimum Two question from each unit (Q No 2 to 6)</i>	

Section-C

Answer any <u>THREE</u> of the following questions, each question carries TEN marks	(3X10=30)
8. 9. 10. 11. 12.	
<i>Note for Section-C: Minimum Two question from each unit (Q No 8 to 12) Sub-questions such as 'a' and 'b' may be given for a question in section-C only.</i>	

