SOPHIA GIRLS' COLLEGE(AUTONOMOUS), AJMER

DIVYA MISHRA

COURSE PLAN

DEPARTMENT of ECONOMICS

(DIVYA MISHRA)

2019-20

SOPHIA GIRL'S COLLEGE, AJMER (*AUTONOMOUS*)

B.A I (SEMESTER I)

Micro Economics–I (PAPER I) (ECO-101)

(MICRO-ECONOMICS)

Max. Marks : 75 (50Ext; 25 Int)   Min. Marks: 30(20 Ext;10 Int)   Credit: 03

COURSE PLAN

SEM I Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM I JULY	UNIT I Nature and scope of Economics; Methodology in Economics; Choice as an economic problem; basic postulates;	What is Scarcity? Methodologies used in framing theories in economics.	PPT, role play to depict economic problems under various economies.	Illustrate the basic framework of micro-economics	*Knowledge Based* -What is Economics? -Illustrate the normative and positive economics?	Knowledge--60 Understanding-30 Higher Order-10
	Role of Price Mechanism; Demand and Supply- Basic framework and applications	Law of demand and supply. Factors affecting demand and supply.	Quiz		*Understanding Based* - Analyse the role of price mechanism. -Evaluate cardinal approach to find consumer equilibrium.	
	Market equilibrium.	Types of equilibrium.	Group discussion			
AUGUST	UNIT II Elasticity of demand: Price, Income and Cross,	What is elasticity and its types. Significance of elasticity in the field of economics.	Group discussion	Anticipate the consumer behaviour	*Higher Order Thinking Skills Based* -estimate price effect, income effect and substitution	
	Utility: Cardinal and Ordinal approaches; Indifference curve – Concepts and	Utility and Consumer Behaviour.	Quiz			

					effect. -Discuss law of variable proportion.	
	properties, Budget line, Consumers equilibrium: Price, Income and Substitution effect (Hicks and Slutsky); Giffen goods	Consumer Equilibrium.	Flip-classroom			
SEPTEMBER-OCTOBER	UNIT II Engle curve; Consumer surplus.	Consumer Surplus.	Group Discussion	Deduce the actions of a producer over a period of time		
	UNIT III Production function: Law of variable proportions, Returns to scale, Concepts of Isoquants, Isocost line, Least cost combinations, Concept of Ridge lines	Production function. Law of variable proportion and Returns to Scale	Demonstration through practical life examples.			
	Economies of scale; Expansion path.	Economies of scale.	Quiz.			

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B.A ECO. HONS. I (SEMESTER I)
MICRO-ECONOMICS–I (PAPER I) (ECOH-101)

(MICRO-ECONOMICS)

Max. Marks :   75 (50Ext; 25 Int)   Min. Marks: 30(20 Ext;10 Int)   Credit: 03

COURSE PLAN

SEM I Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM I JULY	UNIT I Nature and scope of Economics; Methodology in Economics; Choice as an economic problem; basic postulates;	What is Scarcity? Methodologies used in framing theories in economics	PPT, role play to depict economic problems under various economies	Illustrate the basic framework of micro-economics	*Knowledge Based* -Define Economics? -Illustrate price mechanism.	Knowledge--60 Understanding-30 Higher Order-10
	Role of Price Mechanism; Demand and Supply- Basic framework and applications	Law of demand and supply. Factors affecting demand and supply.	Quiz		*Understanding Based* - Analyse the concept of consumer surplus. -Evaluate ordinal approach of utility.	
	Market equilibrium.	Types of equilibrium	Group Discussion and demonstration.			
AUGUST	UNIT II Elasticity of demand: Price, Income and Cross,	What is elasticity and its types. Significance of elasticity in the field of economics.	Group discussion and Quiz	Anticipate the consumer behavior		
	Utility: Cardinal and Ordinal approaches; Indifference curve – Concepts and properties, Budget line,	Utility and Consumer Behaviour.	Assignment		*Higher Order Thinking Skills Based* -estimate price effect, income	

					effect and substitution effect. -Discuss law of variable proportion.	
	Consumers equilibrium: Price, Income and Substitution effect (Hicks and Slutsky); Giffen goods	Consumer Equilibrium.	Flip-classroom			
SEPTEMBER-OCTOBER	UNIT II Engle curve; Consumer surplus.	Consumer Surplus	Demonstration through practical life.	Deduce the actions of a producer over a period of time		
	UNIT III Production function: Law of variable proportions, Returns to scale, Concepts of Isoquants, Isocost line, Least cost combinations, Concept of Ridge lines	Production function. Law of variable proportion and Returns to Scale	Group Discussion			
	Economies of scale; Expansion path.	Economies of Scale	Assignment.			

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B.A ECO. HONS. I (SEMESTER I)
QUANTITATIVE TECHNIQUES (PAPER IV) (ECOH-104)

(QUANTITATIVE TECHNIQUES)

Max. Marks : 75 (50Ext; 25 Int)

Min. Marks: 30(20 Ext;10 Int)

Credit: 03

COURSE PLAN

SEM I Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM I JULY	UNIT-I Basic Concepts: Variables, Sets, Functions, Identities, Systems of equations, Application of straight line system, Slope of the line, Homogeneous function;	Functions and equations	Charts	Interpret the basic concepts of quantitative techniques in economics	Knowledge based- -Define variables. -Find the 10th term of the following series.	Knowledge--60 Understanding-30 Higher Order-10
	UNIT-I Arithmetic and Geometric progression. Logarithm.	AP, GP and Logarithm	Discussions		Understanding based- -Solve the following equations using Cramer's rule. -Evaluate the first order differentiation of the equation.	
	UNIT-II Calculus- Differentiation of a function	Differentiation	Problem solving			
AUGUST	UNIT-II Calculus-partial differentiation and high order differentiation	Calculus	Practice test	Use the concepts of calculus in economics		
	UNIT-II Matrix and Determinants: Various types of Matrices, Determinants	Vector Algebra	Understanding solution path		*Higher Order Thinking Skills*	

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	UNIT-II Inverse of a Matrix, Crammer's Rule	Simultaneous equations	Reasoning strategies		*Based* -construct the index number and prove that Fisher's method is the ideal one.	
SEPTEMBER-OCTOBER	UNIT-II Integration of a function	Integration	Practice testsss	Formulate index numbers		
	Index Numbers: Concept, Price relative, Quantity relative and Value relative, Laspeyer's, Paasche's, Fisher, Family budget method.	Index Number	Practical examples			
	Tests for Ideal index number, Problems in the construction and limitations of index numbers.		Group discussion			

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B.A ECO. HONS. II (SEMESTER III)
DEVELOPMENT ECONOMICS (PAPER I) (ECOH-301)

(DEVELOPMENT ECONOMICS)

Max. Marks : 75 (50Ext; 25 Int)   Min. Marks: 30(20 Ext;10 Int)   Credit: 03
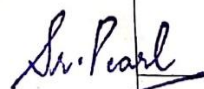
COURSE PLAN

SEMV Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM I JULY	UNIT-I Concept of economic growth and development; Factors affecting economic growth; Characteristics of developed	Growth and Development	Flip classroom	Illustrate the concept and difference between growth and	*Knowledge Based* -Define sustainable development? -Illustrate Kuznet	Knowledge--50

				development	curve.	Understanding-35 Higher Order-15
and underdeveloped countries; Inequality and Growth: the inverted 'U' curve hypothesis						
	Economics of Education: Meaning, Scope, as an instrument for economic growth to reap demographic dividends.	Economics of education	Group discussion		*Understanding Based* - Analyse the concept of human development. -Evaluate the role of education in the process of development. *Higher Order Thinking Skills Based* -critically evaluate Harrod's growth model.	
	Economics of Health: Meaning, Scope, as an instrument for economic growth to reap demographic dividends.	Economics of health	Group discussion			
AUGUST	UNIT-II Measuring development gap: GNP, PQLI, HDI, Gini coefficient and Lorenz curve; Human Resource Development and its measurement (education, health & income)	Measuring development gap	Assignments and flow charts	Estimate development gap using various methods		
	Economic development and institutions: Market and market failure, State and state failure.	Market and state failure	PPT			
SEPTEMBER-OCTOBER	UNIT-III Growth models: Harrod and Domar	Harrod –Domar model	Explanation and showing current relevance	Summarize various growth models		
	Neo- classical growth models: Solow, Meade, Mrs. Joan Robinson	Neo-classical growth models	Explanation and showing current relevance			
	Technological Progress: Embodied, Disembodied, Hicks and Harrod.	Technological progress	Discussion			

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B.A ECO. HONS. III (SEMESTER V)
Mathematical Economics-I (PAPER II) (ECOH-503)

(MATHAMETICAL ECONOMICS)

Max. Marks :   75 (50Ext; 25 Int)   Min. Marks: 30(20 Ext;10 Int)   Credit: 03

COURSE PLAN

SEMV Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM I JULY	Maxima and Minima (critical points); convexity and concavity);	Maxima and Minima	Ask questions that reveal and build understanding	Operate optimization technique in order to achieve the objectives	*Knowledge Based* -Define optimisation? -find maxima from the following function.	Knowledge--40 Understanding-40 Higher Order-20
	Optimisation: constraint optimisation- global optima and local optima (Total Derivative Method and Lagrange Multiplier	Techniques of Optimisation	Practice test			
	Cost and Revenue functions; Derivation of Cost curves; Relation between total, average and marginal cost and revenue; Production Possibility Curve	Cost and Revenue Curves	Group discussion		*Understanding Based* - - derive the ordinary demand curve. -estimate the producer surplus.	
AUGUST	Consumer Theory: Utility function; Budget line; Consumer's equilibrium;; Derivation of demand curve;	Consumer Behaviour	Discussion	Construct mathematically the consumer behavior	*Higher Order Thinking Skills Based* -estimate price effect, income	
	Income effect, Substitution effect and Price effect; Slutsky equation		Practice test			

						effect and substitution effect
	Elasticity of demand	Elasticity of demand	Charts			through Slustsky
SEPTEMBER-OCTOBER	Theory of production: Properties of production function- Homogeneous, non-homogeneous, Cobb-Douglas, CES, Returns to scale; Technology progress and production function; Choice of optimal combination of factors of production	Production functions	Discussion	Construct mathematically the production function	equation.	
	Consumer surplus and Producer surplus	Consumer Surplus and Producer Surpls	Practice test			
	Introduction of Difference and Differential Equations.		Demonstration			

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B.A ECO. HONS. III (SEMESTER V)
DATA ANALYSIS THROUGH SPSS and EViews (PAPER IV) (ECOH-504)

(DATA ANALYSIS THROUGH SPSS AND EVIEWS)

Max. Marks : 75 (50Ext; 25 Int)   Min. Marks: 30(20 Ext;10 Int)   Credit: 03

COURSE PLAN

SEMV Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM I JULY	Introduction to SPSS: Data Entry, Data Editor, Basic calculations	Introduction to SPSS	Video lectures	Tabulate data using SPSS	*Knowledge Based* -Define variable? -Illustrate the steps to build charts using SPSS.	Knowledge--40 Understanding-40
	Frequencies, Missing values, Split files, Import Export Files	Importing and exporting data files	Demonstration on software			

						Higher Order-20
AUGUST	Visual Statistics: Chart Builder, Histograms, Box plots, Bar Charts, Line Charts, Pie Charts, Editing graphs and Axes.	Chart building	PPT	Analyze cross-sectional data using SPSS	*Understanding Based* -determine the steps involved in saving output files in EViews. -Evaluate the application of t-Test using SPSS.	
	Data Analysis Using SPSS: Mean, T-test, One way ANOVA, Non Parametric Tests, Normality test. Linear	Data analysis	Video lectures			
	Correlation and Regression.	Correlation and regression	Video lectures		*Higher Order Thinking Skills Based* -examine the significance of parametric test.	
SEPTEMBER-OCTOBER	**Unit- III** Basic introduction of Eviews-overview of the EViews, creating work files, saving your work	Introduction of Eviews	PPT	Analyze time-series data using EViews		
	command description, frequency conversion, basic graphs	Data transformation	Discussion			
	linear regression model and correlation model.	Regression and correlation	Video lectures			

COURSE_PLAN_2019-20_MS_DIVYA_MISHRA

M.A Political Science Final (SEMESTER III)
Research Methodology (PAPER V)

(RESEARCH METHODOLOGY)

Max. Marks : 75 (50Ext; 25 Int)   Min. Marks: 30(20 Ext;10 Int)   Credit: 03

COURSE PLAN

SEMV Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM I JULY	UNIT-I Research Methodology :An Introduction Meaning of Research, Objectives of Research, Motivation in Research	Meaning, objectives and motivation in research	Discussions	Enumerate the meaning, types, significance and criteria of a good research	Knowledge based- Write the difference between census and sample survey.	Knowledge--20 Understanding-40 Higher Order-40
	Types of Research. Research Approaches. Significance of Research.	Types of research	Illustration with examples		Understanding Based- Discuss the significance of research. Examine the importance of scientific research.	
	Research Methods and Methodology , Research and Scientific Method Research Process Criteria of Good Research. Research Problems	Research methods and process	Charts and flow diagram			
AUGUST	UNIT-II Research Design Meaning, Types.	Research design and sampling	Flow charts	Deduce research design, explain sampling	Higher order-	

				process and classify methods of data collection	Calculate the mean from the following set of data Examine the characteristics of a good Questionnaire.	
		Sampling Meaning, Types and Significance. Difference between Census and Sample Survey.				
		Methods of Data Collection Meaning of Data Types of Data- Primary and Secondary	Primary and Secondary data	Discussion		
		Collection of Primary Data through Observation, Interview Questionnaires and Schedules, Difference between Questionnaires and Schedules. Collection of Secondary Data	Methods of primary and Secondary data collction	Demonstration		
	SEPTEMBER-OCTOBER	UNIT-III Processing and Analysis of Data Data Analysis - Coding, Tabulation and Interpretation. Measures of Central Tendency - Mean, Median, Mode.	Data analysis	Practice test	Analyze the methods of data analysis, evaluate measures of central tendency and assess techniques of report writing	
		Techniques of Report Writing Organised Paragraph, Chapters, Footnotes, References and Bibliography.	Report writing techniques	Flow charts		
		Scientific Enquiry in Social	Scientific enquiry in	Group		

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Sciences - Definition, Scope, Goals and Limitations.	Social Science.	discussion.			

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B.A ECO. HONS. III (SEMESTER V)

PRACTICALS Data Analysis through SPSS and EViews (ECOH-505)

Max. Marks: 30(20Ext; 10 Int)   Min Marks: 12(8 Ext;4 Int)   Credit: 02

COURSE PLAN

SEM Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM I JULY	Introduction to SPSS: Data Entry, Data Editor, Basic calculations, Frequencies, Missing values, Split files, Import Export Files Using EXCEL Data Visual Statistics: Chart Builder, Histograms, Box plots, Bar Charts, Line Charts, Pie Charts, Editing graphs and Axis.	Entering data, visual statistics	Demonstration on the SPSS software	To develop skills and competency regarding data analysis using SPSS and EViews.	*Knowledge Based* Practical File Work *Understanding Based* Run the softwares *Higher Order Thinking Skills Based* Interpret the output file. Viva Voce	Knowledge--30 Understanding-50 Higher Order-20

AUGUST	Data Analysis Using SPSS: Mean, T-test, One way ANOVA, Non Parametric Tests, Normality test. Linear Correlation and Regression.	Data analysis using SPSS	Demonstration using SPSS software		
SEPTEMB ER- OCTOBER	Unit- III Basic introduction of Eviews- overview of the EViews, creating work files, saving your work command description, frequency conversion, basic graphs linear regression model and correlation model	Data analysis using EViews	Demonstration using EViews		

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SOPHIA GIRL'S COLLEGE, AJMER (*AUTONOMOUS*)

B.A I (SEMESTER II) **Micro Economics–II (PAPER I) (ECO-201)**

Max. Marks : 75 (50Ext; 25 Int)   Min. Marks: 30(20 Ext;10 Int)   Credit: 03

COURSE PLAN

SEM II Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM II Dec	UNIT I Concepts of Revenue and Cost, Relationships between Average Revenue, Marginal Revenue and Price elasticity of demand	Different Revenue and Cost curves.	Mathematical derivation.	Illustrate different cost and revenue curves.	*Knowledge Based* -What is opportunity cost? -Illustrate the characteristics of perfect competition?	Knowledge--60 Understanding-30 Higher Order-10
January	UNIT I Market Structures: Perfect and Imperfect markets	Difference between perfect and imperfect market structure.	Group discussion	Analyse equilibrium under different market conditions	*Understanding Based* -Discuss the collective bargain theory. -Evaluate scarcity rent theory.	
	Price and output determination in Perfect competition	Equilibrium under Perfect competition.	Quiz			
	Monopoly, Price discrimination under Monopoly; Measures of Monopoly power	Equilibrium under monopoly.	Flip-classroom			
Feburary	UNIT I Monopolistic, Oligopoly (Paul M. Sweezy model)	Equilibrium under monopolistic competition and oligopoly.	Group Discussion	Analyse the general theories of distribution	*Higher Order Thinking Skills Based* -estimate price and output under the monopoly market. -Derive the relationship between AR, MR and e.	
	UNIT II General theories of Distribution: The Marginal Productivity Theory and Modern Theory; Theories of Wage Determination; Collective Bargaining, Wage Differentials	Factor market.	Quiz.			

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	Profits: Innovation, Risk and Uncertainty Theories.	Profit.	Demonstration through practical life examples	
March	UNIT II Rent: Scarcity Rent, Differential Rent, Quasi Rent;	Rent	PPT	Assess the concept of welfare theories.
	Interest: Classical, Neo classical	Interest	Group Discussion	
	UNIT III Problems in measuring Welfare; Classical Welfare Economics; Pareto Criterion (Production, Consumption and Distribution); Concept of a Social Welfare Function; Compensation Principle: Kaldor and Hicks.	Economic welfare	Quiz.	

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B.A ECO. HONS. I (SEMESTER II)
MICRO-ECONOMICS–II (PAPER I) (ECOH-201)

(MICRO-ECONOMICS)

Max. Marks : 75 (50Ext; 25 Int)   Min. Marks: 30(20 Ext;10 Int)   Credit: 03

COURSE PLAN

SEM II Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM II Dec	UNIT I Conceptsof Revenue and Cost, Relationships between Average Revenue, Marginal Revenue and Price elasticity of demand	Different Revenue and Cost curves	Mathematical derivation	Illustrate different cost and revenue curves under different markets.	*Knowledge Based* - What is the relationship between AC and MC? -Illustrate the characteristics of monopolistic competition?	Knowledge--60 Understanding-30 Higher Order-10
Jan	UNIT I Market Structures: Perfect and Imperfect markets	Difference between perfect and imperfect market structure.	Group discussion			
	Price and output determination in Perfect competition	Equilibrium under Perfect competition.	Quiz			
	Monopoly, Price discrimination under Monopoly; Measures of Monopoly power	Equilibrium under monopoly.	Flip-classroom		*Understanding Based* - Discuss the classical theory of interest. -Evaluate scarcity rent theory.	
Feb	UNIT I Monopolistic, Oligopoly (Paul M. Sweezy model)	Equilibrium under monopolistic competition and oligopoly.	Group Discussion	Analyse the general theories of distribution		
	UNIT II General theories of Distribution: The Marginal Productivity Theory and Modern Theory;	Factor market.	Quiz.		*Higher Order Thinking Skills*	

	Theories of Wage Determination; Collective bargaining, Wage Differentials	Profit.	Demonstration through practical life examples		*Based* - estimate price and output under the perfect competitive market. -Derive the relationship between AR, MR and e.
	Profits: Innovation, Risk and Uncertainty Theories.	Rent	PPT		
March	UNIT II Rent: Scarcity Rent, Differential Rent, Quasi Rent;	Interest	Group Discussion	Assess the concept of welfare theories	
	Interest: Classical, Neo classical	Economic welfare	Quiz.		
	UNIT III Problems in measuring Welfare; Classical Welfare Economics; Pareto Criterion (Production, Consumption and Distribution); Concept of a Social Welfare Function; Compensation Principle: Kaldor and Hicks.		Group Discussion		

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B.A ECO. HONS. I (SEMESTER II)
STATISTICAL METHOD FOR ECONOMICS (PAPER IV) (ECOH-204)

(STATISTICAL METHOD FOR ECONOMICS)

Max. Marks : 75 (50Ext; 25 Int)   Min. Marks: 30(20 Ext;10 Int)   Credit: 03

COURSE PLAN

SEM II Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM II December	UNIT-I Introduction to Statistics- Population, Sample, Parameter, Frequency distribution, Cumulative frequency; Graphical and Diagrammatic representation of data	Population and sample. Graphical and diagrammatic representation of data.	ppt	Define sample.	Knowledge based- -Define data. -Find the geometric mean.	Knowledge--60 Understanding-30 Higher Order-10
January	Techniques of data collection; Primary and Secondary data.	Types of data	Field survey	Compute the central tendencies and measures of dispersion	Understanding based- -Evaluate the standard deviation. -estimate the correlation coefficient.	
	Measures of Central Tendency: Mean, Median, Mode, Geometric Mean and Harmonic Mean	Central Tendency	Practice test			
	Measures of Dispersion: Range, Mean Deviation, Standard Deviation, Coefficient of Variation, Quartile Deviation.	Dispersion	Practice test		_Higher Order Thinking Skills Based_ -construct the seasonal indices.	
February	UNIT-II Correlation: Simple, Coefficient of Correlation- Karl Pearson and Rank Correlation, Partial and Multiple Correlation analysis	Correlation	Practice test	•Calculate the correlation and regression coefficients		

		Association of attributes	Association of attributes	Practical examples.	
		Regression analysis: Estimation of regression line in a bivariate distribution (individual series), Least squares method, Interpretation of Regression coefficients.	Regression	Practice test	
	March	UNIT III Interpolation and Extrapolation: Newton's and Binomial methods.	Interpolation and extrapolation	Practice questions	•Anticipate future trends and indexes.
		Time Series Analysis: Concept, Determination of regular, Trend and Seasonal indices.	Time series analysis	Practical examples	

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B.A ECO. HONS. II (SEMESTER IV)
DEVELOPMENT ECONOMICS (PAPER I) (ECOH-401)

(DEVELOPMENT ECONOMICS)

Max. Marks : 75 (50Ext; 25 Int)   Min. Marks: 30(20 Ext;10 Int)   Credit: 03

COURSE PLAN

SEM & Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM IV December	UNIT I Partial theories of growth and development: Vicious circle of poverty, Balanced growth and Unbalanced growth (Rosenstein-Rodan and Hirschman),	Balanced and Unbalanced growth theories.	Flip classroom	•Explain the concept of dualism through various growth theories.	*Knowledge Based* -Define balanced growth? -Illustrate circular causation theory.	Knowledge--50 Understanding-35 Higher Order-15
	Rostow'sstage theory, Circular causation,	Stages of economic growth.	Group discussion		*Understanding Based* - Analyse the role of international trade in the growth process.. -Evaluate the process of creative destruction.	
	Unlimited supply of labour,	Role of labour in growth.	Group discussion			
January	UNIT I Critical minimum effort thesis, Low equilibrium trap,	Role of investment in growth.	Explanation and showing current relevance	•Articulate the concept of innovation and trade to develop growth theories.		
	UNIT II Classical model of growth; Schumpeter- Innovation, enterprise and process of 'creative destruction';	Innovation and growth.	PPT		*Higher Order Thinking Skills Based* -critically evaluate the theory of Karl Marx.	
	Karl Marx: theory of development	Class struggle and economic growth	Explanation and showing current relevance			
February-March	UNIT II Rejection of trade as the 'engine of growth'. Dualism-Technical, Financial and Social.	Role of international trade in growth and dualism.	Flip Classroom	•Evaluate the efficiency of investment plans.		

UNIT III Need for Investment criteria in LDC'S; Alternative investment criteria; Cost benefit analysis;.	Investment criteria and Cost benefit analysis.	Explanation and showing current relevance
Need for planning; Types of planning: Democratic, Decentralized, Indicative, Micro level, Physical and Financial	Planning.	Discussion

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B.A ECO. HONS. III (SEMESTER VI)
Mathematical Economics-II (PAPER II) (ECOH-603)

(MATHAMETICAL ECONOMICS)

Max. Marks : 75 (50Ext; 25 Int)   Min. Marks: 30(20 Ext;10 Int)   Credit: 03

COURSE PLAN

SEMVI Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM VI December	UNIT I Game theory: Introduction and Concept; Simple and Mixed strategy; Saddle point solution; Prisoner's dilemma;	Game theory and saddle point	Ask questions that reveal and build understanding	•Understand the concept of Game Theory.	*Knowledge Based* -Define Prisoner's dilemma? -find maxima profit of the monopolistic firm from the following function.	Knowledge--40 Understanding-40 Higher Order-20
	Pay off matrix of a game - Two-person-two-commodity and zero-sum game.	Pay off matrix of a game.	Practice test			
January	UNIT III Linear programming- Graphic and Simplex method.	LPP.	Discussion	Designing the optimization behavior using		

				LPP.	*Understanding Based* - estimate the saddle point. -estimate the coefficient matrix of the following input-output model..
	UNIT II Market Structure/Pricing: Concept of equilibrium; Equilibrium of the firm under Perfect competition, Monopoly, Price discrimination, Monopolistic competition; Subsidies and Taxes	Market equilibrium		Mathematically validate equilibrium under different market structures.	
February-March	UNIT II Economies of scale; Market equilibrium; Economic interpretation of time lag in function; Cobweb model.	Cobweb model	Discussion	Designing the optimization behavior using input output analysis.	*Higher Order Thinking Skills Based* -estimate maximum profit using a Simplex method.
	UNIT III Input-Output analysis: The simple closed and open model; Linkages- concepts and measurement; Dynamic Input-Output model	Input output analysis.	Practice test		

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B.A ECO. HONS. III (SEMESTER VI)
APPLIED STATISTICS (PAPER I) (ECOH-601)

(APPLIED STATISTICS)

Max. Marks : 75 (50Ext; 25 Int)   Min. Marks: 30(20 Ext;10 Int)   Credit: 03

COURSE PLAN

SEMVI Month	UNIT/TOPIC	Concepts/facts	Teaching Pedagogy	Learning Outcomes	Questions	Marks Weightage (%)
SEM VI December	UNIT I Basic concepts and definitions of probability; Laws of addition and multiplication; Conditional probability; Bayes theorem (statement)	Laws of probability.	Practice test	•Speculate the trends using laws of probability.	*Knowledge Based* -Define probability? -Illustrate the steps of sampling distribution.	Knowledge--40 Understanding-40 Higher Order-20
	Binomial, Poisson and Normal distribution.	Probability distribution.	Practice test			
January	UNIT II Sampling and Sampling Distribution: Types of Sample survey, Population Parameters and Sample Statistics, Principles of sampling, Sampling Methods,	Types of sampling.	Quiz	•Design the sample survey.	*Understanding Based* -determine confidence interval of the following series. -Evaluate the significance level of the following data.	
	Sampling Distributions, Sampling distribution of sample mean (normal distribution and non-normal distribution)	Sampling distribution.	Practice test		*Higher Order Thinking Skills Based* -examine the significance of parametric test.	
	Estimation and Confidence Intervals: Point Estimation, confidence interval estimation, interval estimation of population mean (mean known and mean unknown), Estimating Population size.	Estimation and confidence intervals of know mean and unknown mean.	Quiz			

February-March	UNIT III Hypothesis Testing: Rational for Hypothesis testing, General procedure of hypothesis testing, Hypothesis testing for population parameters with large samples (single and two population means), Hypothesis testing for small samples.	Hypothesis testing.	Demonstration from live examples	•Formulate and validate the hypothesis.
	Parametric and Non-parametric test: paired and unpaired t test, Z test, f test, ANOVA, chi-square test	Parametric and Non-parametric.	Practice test.	

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