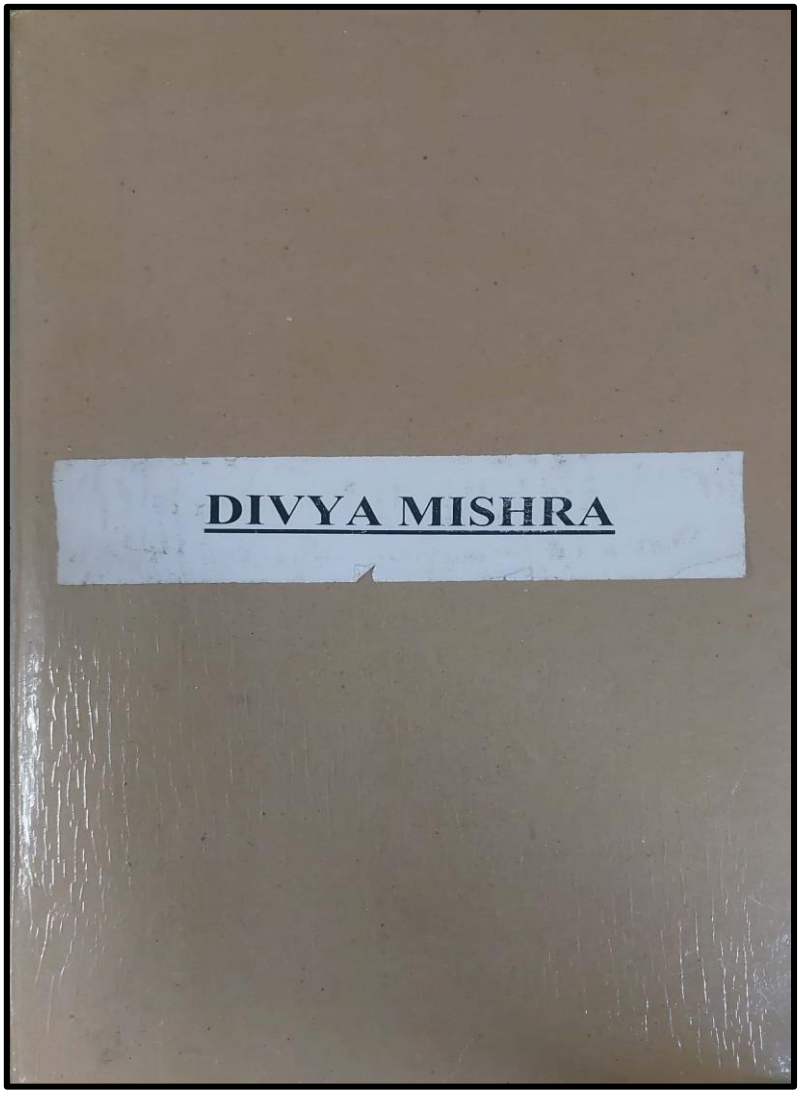

COURSE_PLAN_2022-23_MS_DIVYA_MISHRA

COURSE PLAN

U.G Programs

(2022-23)

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 Aug	UNIT-I Basic Concepts: Variables, Sets, Functions, Identities, Systems of equations, Application of straight line system, Slope of the line, Homogeneous function;	Functions ,equations and set theory.	PPT Problem solving Each one teach one	Interpret the basic concepts of quantitative techniques in economics	Knowledge based- -Define variables. -Find the 10^{th} term of the following series. Understanding based- -Solve the following equations using Cramer's rule. -Evaluate the first order differentiation of the equation. *Higher Order Thinking Skills Based*	Knowledge--60 Understanding-30 Higher Order-10
Sept	UNIT-I Arithmetic and Geometric progression. Logarithm.	AP, GP and Logarithm	Problem solving Quiz			
Oct	UNIT-II Calculus- Differentiation of a function partial differentiation and high order differentiation	Differentiation	Problem solving Peer group learning			
Oct	UNIT-II Matrix and Determinants: Various types of Matrices, Determinants Inverse of a Matrix, Crammer's Rule	Vector Algebra	Understanding solution path Problem solving			
Nov	UNIT-II Integration of a function	Integration	Practice test Problem solving	Formulate index numbers		

Nov	Index Numbers: Concept, Price relative, Quantity relative and Value relative, Laspeyer's, Paasche's, Fisher, Family budget method. Test of ideal index number.	Index Number	Practical examples Problem solving		-construct the index number and prove that Fisher's method is the ideal one.	

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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 and underdeveloped countries; Inequality and Growth: the inverted 'U' curve hypothesis	Growth and Development	PPT Group Discussion Flip Classroom.	Illustrate the concept and difference between growth and development	*Knowledge Based* -Define sustainable development? -Illustrate Kuznet curve. *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	Knowledge--50 Understanding-35 Higher Order-15
Aug	Economics of Education: Meaning, Scope, as an instrument for economic growth to reap demographic dividends.	Economics of education	Symposium			
Aug	Economics of Health: Meaning, Scope, as an instrument for economic growth to reap demographic dividends.	Economics of health	Discussion on case studies. project			
Sept	UNIT-II Measuring development gap: GNP, PQLI, HDI, Gini coefficient and Lorenz curve;	Measuring development gap	Flip Classroom, Inductive method of teaching	Estimate development gap using various methods		

	Human Resource Development and its measurement (education, health & income)				growth model.	
Sept	Economic development and institutions: Market and market failure, State and state failure.	Market and state failure	PPT Group discussions			
Oct	UNIT-III Growth models: Harrod and Domar, Neo- classical growth models: Solow, Meade, Mrs. Joan Robinson	Harrod –Domar model Neo-classical growth models	Explanation and showing current relevance Problem solving	Summarize various growth models		
Nov	Technological Progress: Embodied, Disembodied, Hicks and Harrod.	Technological progress	Discussion Problem solving			

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B.A ECO. HONS. III (SEMESTER V)
APPLIED STATISTICS (PAPER I) (ECOH-501)

(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 July	UNIT I Basic concepts and definitions of probability; Laws of addition and multiplication; Conditional probability; Bayes theorem (statement)	Laws of probability.	Practice test Brainstorming Peer group Teaching	•Speculate the trends using laws of probability.	*Knowledge Based* -Define probability? -Illustrate the steps of sampling distribution. *Understanding Based* -determine confidence interval of the following series. -Evaluate the significance level of the following data. *Higher Order Thinking Skills Based*	Knowledge--40 Understanding-40 Higher Order-20
July- Aug	Binomial, Poisson and Normal distribution.	Probability distribution.	Practice test Lecture cum Demonstration e-content			
Sept	UNIT II Sampling and Sampling Distribution: Types of Sample survey, Population Parameters and Sample Statistics, Principles of sampling, Sampling Methods,	Types of sampling.	Lecture cum Demonstration Quiz	•Design the sample survey.		
Sept- Oct	Sampling Distributions, Sampling distribution of sample mean (normal distribution and non-normal	Sampling distribution.	Problem solving Practice test			

	distribution)				-examine the significance of parametric test.	
Oct	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.	Blended Learning Quiz			
Nov	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. Storytelling	•Formulate and validate the hypothesis.		
Nov	Parametric and Non-parametric test: paired and unpaired t test, Z test, f test, ANOVA, chi-square test	Parametric and Non-parametric.	Problem solving Practice test.			

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

Mathematical Economics-I (PAPER II) (ECOH-502)

(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 Problem solving	Operate optimization technique in order to achieve the objectives	*Knowledge Based* -Define optimisation? -find maxima from the following function. *Understanding Based* - derive the ordinary demand curve. -estimate the producer surplus. *Higher Order Thinking Skills*	Knowledge--40 Understanding-40 Higher Order-20
July	Optimisation: constraint optimisation- global optima and local optima (Total Derivative Method and Lagrange Multiplier	Techniques of Optimisation	Practice test Peer group teaching			
Aug	Cost and Revenue functions; Derivation of Cost curves; Relation between total, average and marginal cost and revenue; Production Possibility Curve	Cost and Revenue Curves	Problem solving			
Sept	Consumer Theory: Utility function; Budget line; Consumer's equilibrium;;	Consumer Behaviour	Discussion Lecture cum demonstration	Construct mathematically the consumer		

	Derivation of demand curve;			behavior	*Based* -estimate price effect, income effect and substitution effect through Slustsky equation.	
Sept	Income effect, Substitution effect and Price effect; Slutsky equation		Practice test Assignments Problem solving			
Oct	Elasticity of demand	Elasticity of demand	Problem solving			
Oct	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	Problem solving Lecture cum demonstration	Construct mathematically the production function		
Nov	Consumer surplus and Producer surplus	Consumer Surplus and Producer Surpls	Practice test Peer group teaching			
Nov	Introduction of Difference and Differential Equations.		Problem solving Lecture cum 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 Aug	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. *Understanding Based* -determine the steps involved in saving output files in EViews. -Evaluate the application of t-Test using SPSS. *Higher Order Thinking Skills Based* -examine the significance of	Knowledge---40 Understanding--40 Higher Order-20
Aug	Frequencies, Missing values, Split files, Import Export Files Using EXCEL Data	Importing and exporting data files	Demonstration on software			
Aug	Visual Statistics: Chart Builder, Histograms, Box plots, Bar Charts, Line Charts, Pie Charts, Editing graphs and Axes.	Chart building	PPT Video lecture	Analyze cross-sectional data using SPSS		
Sept	Data Analysis Using SPSS: Mean, T-test, One way ANOVA, Non Parametric Tests, Normality test. Linear	Data analysis	Video lectures Demonstrations			
Oct	Correlation and Regression.	Correlation and regression	Video lectures			
Nov	**Unit- III** Basic introduction of Eviews-overview of the EViews, creating work files, saving	Introduction of Eviews	PPT Video lectures	Analyze time-series data using EViews		

	your work				parametric test.	
Nov	command description, frequency conversion, basic graphs	Data transformation	Discussion Lecture cum demonstration			
Nov	linear regression model and correlation model.	Regression and correlation	Video lectures Demonstration			

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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 Sept	UNIT-I Research Methodology :An Introduction Meaning of Research, Objectives of Research, Motivation in Research	Meaning, objectives and motivation in research	Discussions Brainstorming	Enumerate the meaning, types, significance and criteria of a good research	Knowledge based- Write the difference between census and sample survey. Understanding Based- Discuss the significance of research. Examine the importance of scientific research. Higher order- Calculate the mean from the following set of	Knowledge--20 Understanding-40 Higher Order-40
Sept	Types of Research. Research Approaches. Significance of Research.	Types of research	Illustration with examples Audio lecture			
Oct	Research Methods and Methodology , Research and Scientific Method Research Process Criteria of Good Research. Research *Problems*	Research methods and process	Case studies Group discussions			
Oct	UNIT-II Research Design Meaning, Types. Sampling Meaning, Types and Significance.	Research design and sampling	PPT Demonstration	Deduce research design, explain sampling process and classify methods of data		

	Difference between Census and Sample Survey.			collection	data Examine the characteristics of a good Questionnaire.
Nov	Methods of Data Collection Meaning of Data Types of Data- Primary and Secondary	Primary and Secondary data	Discussion Problem solving		
Nov	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 Brainstorming Assignments		
Dec	UNIT-III Processing and Analysis of Data Data Analysis - Coding, Tabulation and Interpretation. Measures of Central Tendency - Mean, Median, Mode.	Data analysis	Practice test Problem solving	Analyze the methods of data analysis, evaluate measures of central tendency and assess techniques of report writing	
Dec	Techniques of Report Writing Organised Paragraph, Chapters, Footnotes, References and Bibliography.	Report writing techniques	Demonstration Review of Literature		
Jan	Scientific Enquiry in Social Sciences - Definition, Scope, Goals and Limitations.	Scientific enquiry in Social Science.	Group 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 August	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 Hands on training	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
Sept-Oct	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 Hands on training			

Oct-Nov	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 Hands on training			

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COURSE PLAN

U.G Programs

(SESSION 2022-23)

Semester II, IV and VI

B.A ECO. HONS. I (SEMESTER II)

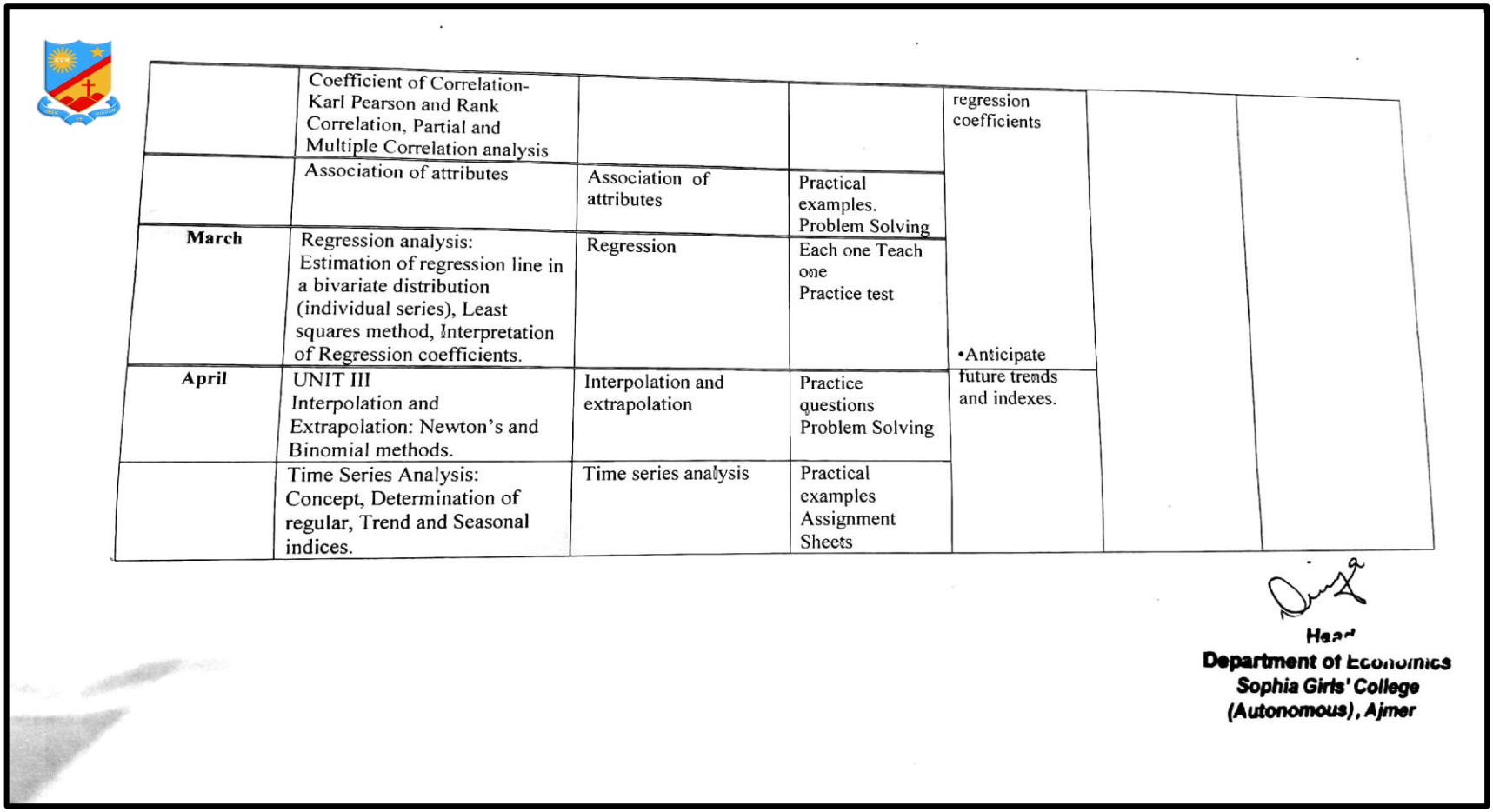
STATISTICAL METHOD FOR ECONOMICS (PAPER IV) (ECOH-204)

(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 Dec	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.	Lecture cum Demonstration Participatory learning	Define sample.	Knowledge based- -Define data. -Find the geometric mean.	Knowledge--60 Understanding-30 Higher Order-10
Jan	Techniques of data collection; Primary and Secondary data.	Types of data	Lecture cum Demonstration Experiential learning	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	Problem solving Peer Group Teaching			
	Measures of Dispersion: Range, Mean Deviation, Standard Deviation, Coefficient of Variation, Quartile Deviation.	Dispersion	Problem solving Quiz		*Higher Order Thinking Skills Based* -construct the seasonal indices.	
Feb	UNIT-II Correlation: Simple,	Correlation	Problem Solving Quiz	•Calculate the correlation and		



	Coefficient of Correlation- Karl Pearson and Rank Correlation, Partial and Multiple Correlation analysis			regression coefficients		
	Association of attributes	Association of attributes	Practical examples. Problem Solving			
March	Regression analysis: Estimation of regression line in a bivariate distribution (individual series), Least squares method, Interpretation of Regression coefficients.	Regression	Each one Teach one Practice test	•Anticipate		
April	UNIT III Interpolation and Extrapolation: Newton's and Binomial methods.	Interpolation and extrapolation	Practice questions Problem Solving	future trends and indexes.		
	Time Series Analysis: Concept, Determination of regular, Trend and Seasonal indices.	Time series analysis	Practical examples Assignment Sheets			

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B.A ECO. HONS. II (SEMESTER IV)

DEVELOPMENT ECONOMICS II (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 Dec	UNIT I Partial theories of growth and development: Vicious circle of poverty, Balanced growth (Rosenstein-Rodan)	Balanced growth theories	Flip classroom Brainstorming	•Explain the concept of dualism through various growth theories.	*Knowledge Based* -Define balanced growth? -Illustrate circular causation theory. *Understanding Based* - Analyse the role of international trade in the growth process.. -Evaluate the process of creative destruction. *Higher Order Thinking Skills Based* -critically evaluate the	Knowledge--50 Understanding-35 Higher Order-15
Jan	Unbalanced growth (Hirschman), Rostow's stage theory. Circular causation,	Unbalanced growth theories, Stages of economic growth.	Group discussion Inductive method			
	Unlimited supply of labour	Role of labour in growth.	Group discussion Story telling			
Jan	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.		
Feb	UNIT II Classical model of growth; Schumpeter- Innovation, enterprise and process of 'creative destruction';	Innovation and growth.	Group Discussion Case studies			
	Karl Marx: theory of development	Class struggle and economic growth	Explanation and showing current relevance			

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 E-Content	•Evaluate the efficiency of investment plans.	theory of Karl Marx.	
	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 Problem Solving			
April	Need for planning; Types of planning: Democratic, Decentralized, Indicative, Micro level, Physical and Financial	Planning.	Experiential Learning			

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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 Dec	UNIT I Game theory: Introduction and Concept; Simple and Mixed strategy; Saddle point solution; Prisoner's dilemma;	Game theory and saddle point	Blended learning Problem solving	•Understand the concept of Game Theory.	*Knowledge Based* -Define Prisoner's dilemma? -find maxima profit of the monopolistic firm from the following function. *Understanding Based* - estimate the saddle point. -estimate the coefficient matrix of the following input-output model..	Knowledge--40 Understanding-40 Higher Order-20
Jan	Pay off matrix of a game - Two-person-two-commodity and zero-sum game.	Pay off matrix of a game.	Problem solving			
Jan	UNIT III Linear programming- Graphic and Simplex method.	LPP.	Lecture cum demonstration	Designing the optimization behavior using LPP. Mathematically validate equilibrium under different market structures.		
Feb	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	Problem Solving Quiz			

March	UNIT II Economies of scale; Market equilibrium; Economic interpretation of time lag in function; Cobweb model.	Cobweb model	Discussion Problem solving	Designing the optimization behavior using input output analysis.	*Higher Order Thinking Skills Based* -estimate maximum profit using a Simplex method.	
April	UNIT III Input-Output analysis: The simple closed and open model; Linkages- concepts and measurement; Dynamic Input-Output model	Input output analysis.	Practice test Peer group Teaching			

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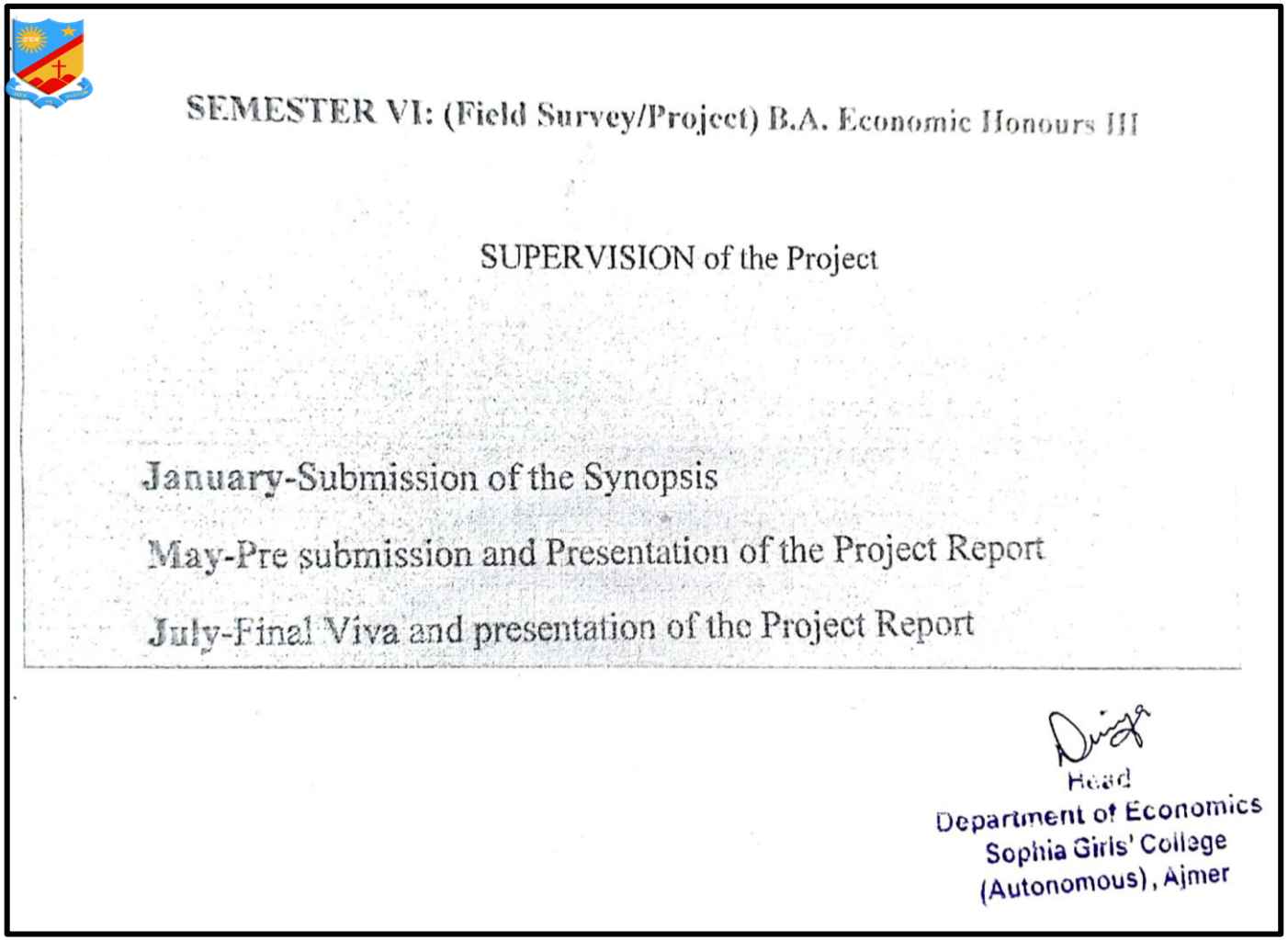

SEMESTER VI: (Field Survey/Project) B.A. Economic Honours III

SUPERVISION of the Project

January-Submission of the Synopsis

May-Pre submission and Presentation of the Project Report

July-Final Viva and presentation of the Project Report

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