PG - Lesson Plan from January 2021 to April - 2021

Lecturer :	Ms. Neeja Parmar
Class with sem :	M.A. Ist year (I Sem)
Subject / Paper :-	Microeconomics I

Week	Topics
11 jan to 16 jan	Definition, Nature, Importance, Role, limitations of Micro-Economics
18 jan to 23 Jan	Cardinal Analysis- laws of Cardinal Utility Approach/Analysis, Giffen Paradox and Cardinal Utility Analysis
25 jan to 30 Jan	Ordinal Analysis- Meaning of Indifference Curve & Map, Marginal Rate of Substitution, Consumer's Equilibrium.
1 Feb to 6 Feb	Income and Substitution Effect (Hicks and Slutsky approach), Normal vs. Inferior goods, Derivation of Marshallian and Compensated demand Curve.
8 Feb to 13 Feb	Revealed Preference theory, Elasticity of demand.
15 Feb to 20 Feb	Market demand: The role of Network Externalities, Bandwagon effect, Veblen and Snob Effects. Consumer Surplus: Hicks and Marshall approach
22 Feb to 27 Feb	Measurement of risk, Expected Utility and Preferences towards Risk, Risk Return Trade off, Asymmetric Information: Moral Hazard, Adverse selection problem.
1 March to 6 March	Input Choice and Cost with one Variable Input, Law of Returns to Variable Proportions, Expansion Path, and Returns to Scale.

8 March to 13 March	Rate of Technical Substitution, Cost Curves, Derivation of Short Run & Long Run Cost Curves, Economies of Scale
15 March to 20 March	Economies of Scope, The learning Curve Analysis, Technical Progress, Simple Case of Multiproduct Firm.
22 March to 26 March	Profit Maximization and Equilibrium of a firm and Industry in the Short Run and Long Run under Perfect Competition including the Supply Curve
27 March to 31 march	**Holi Break**
1 April to 3 April	Monopoly: Source, Measurement, Monopoly Power, Monopoly Price determination and discrimination, Inter-Temporal Price discrimination and Peak-load Pricing, two part tariffs and Tie-in-Sales
5April to 10 April	Monopolistic Competition, Oligopoly - Non-Collusive models: Cournot, Bertrand Model
12 April to 16 April	Stackelberg and Chamberlin solutions, Kinked demand Curve.

PG - Lesson Plan from January 2021 to April - 2021

Lecturer :	Aastha Vats
Class with sem :	M.A. I Semester I
Subject / Paper :-	Macroeconomics I

Week	Topics
11 jan to 16 jan	Introduction to Macroeconomics and National Income Accounting, Nature and Scope of Macroeconomics, Circular Flow of Income.
18 jan to 23 Jan	Circular Flow of Income: Two, Three, Four Sector Model, National Income Accounting using Income, Expenditure Method.
25 jan to 30 Jan	National Income Accounting using Value Added Method, Significance of National Income Estimates.
1 Feb to 6 Feb	Limitation of National Income Estimates, Classical and Keynesian System of Macroeconomics.
8 Feb to 13 Feb	Classical Macroeconomics :- Equilibrium output and Employment, Money, Price and Interest.
15 Feb to 20 Feb	Wage Price Flexibility and full Employment Equilibrium, Keynesian System, The Role of AD, Money, Interest and Income.
22 Feb to 27 Feb	Investment theories : The accelerator theory, Flexible Accelerator theory, Investment function.
1 March to 6 March	Types of Investment and Marginal Efficiency of Capital, Financial theory Profit Theory.

8 March to 13 March	Demand for Money and Inflation, Concept and functions of Money, Quantity theory of Money, Post Keynesian Approach : Tobin and Baumol.
15 March to 20 March	Friedman (Restatement of Quantity theory of money) and Patinkin's Real Balance Theory, Basics of Inflation, Phillips Curve.
22 March to 26 March	Determinants of Money Supply and Real Economy, Measures of Money Supply and ~~det~~ Monetary Policy :- Tools & Contraction
27 March to 31 march	**Holi Break**
1 April to 3 April	Central Bank Approach to Money Supply, Fiscal Policy :- Tools & Contraction & Expansion Monetarism V/s Keynesian view.
5April to 10 April	Revision of full Syllabus and Doubt Clearance Sessions.
12 April to 16 April	MINOR EXAMINATION.

PG - Lesson Plan from January 2021 to April - 2021

Lecturer :	Dr. Renu
Class with sem :	M.A. Ist year (I Sem)
Subject / Paper :-	Economic of Growth & Development

Week	Topics
11 jan to 16 jan	Measuring Development: Income Measures
18 jan to 23 Jan	Measuring Development: Basic Needs Approach, PQLI
25 jan to 30 Jan	HDI and Capabilities Approach
1 Feb to 6 Feb	Poverty, Inequality and Development: Measurement and Impact
8 Feb to 13 Feb	Millennium Development Goals & Sustainable Development Goals, Soulet's core values of development, Sustainable Development
15 Feb to 20 Feb	Contributions of Adam Smith, Karl Marx's Contribution, Rostow's Theory of Stages of Economic Growth
22 Feb to 27 Feb	Ricardo's Contribution, Schumpeter's Contribution in Growth and development
1 March to 6 March	Harrod and Domar: Instability of Equilibrium, Neo Classical Growth Models: Solow and Meade

8 March to 13 March	Growth Models of Joan Robinson, Kaldors Contribution in Growth Models.
15 March to 20 March	Romers Model of Endogeneous Growth, Human Capital Formation in India.
22 March to 26 March	Accumulation of Human Capital, Endogenous Growth Theory: Role of learning
27 March to 31 march	**Holi Break**
1 April to 3 April	Endogenous Growth Theory: Education and Research, Development of Models: Balanced
5April to 10 April	Development of Models: Unbalanced growth, Low Income Equilibrium Trap
12 April to 16 April	Dual Economy: Models of Lewis, Fei-Ranis

PG - Lesson Plan from January 2021 to April - 2021

Lecturer :	Ms. Neerja Parmar
Class with sem :	M.A. Ist year (I Sem)
Subject / Paper :-	Mathematics for Economists.

Week	Topics
11 jan to 16 jan	Solution of linear Equations, Solutions of Quadratic Equations
18 jan to 23 Jan	Matrices : Types of Matrices, Matrix Operations, Matrices: Inverse rule
25 jan to 30 Jan	Matrices : Crammer's Rule, Economic Applications based on Matrices
1 Feb to 6 Feb	Simple Derivative: different methods.
8 Feb to 13 Feb	Economic Applications based on Simple derivative, derivative - Partial & Total
15 Feb to 20 Feb	Economic Application based on Partial & Total derivative Higher Order derivatives & Homogenous function and its property
22 Feb to 27 Feb	Introduction of Quadratic form, Unconstrained Optimization
1 March to 6 March	Constrained Optimization with equality constraints, Applications – Utility Maximizations & cost Minimizations

8 March to 13 March	Applications - Profit - Output Maximization.
15 March to 20 March	Set Theory :- Types of Sets, Economic Applications based on set theory.
22 March to 26 March	Relations & Functions ; Application from Economics.
27 March to 31 march	**Holi Break**
1 April to 3 April	Linear Programming - formulations, primal & dual.
5April to 10 April	Solutions of linear programming using graphical & simplex method.
12 April to 16 April	Application from Economics based on linear programming.

PG - Lesson Plan from January 2021 to April - 2021

Lecturer :	Aastha Vats
Class with sem :	M.A. I Semester - I
Subject / Paper :-	Environment and Energy Management (OEC)

Week	Topics
11 jan to 16 jan	Introduction to Environment and issues related to it, Various types of Pollution.
18 jan to 23 Jan	Air Pollution :- its meaning, and Definition, Causes, Remedial features, Risk fators.
25 jan to 30 Jan	Water Pollution :- its meaning and Definition, Causes, Remedial features. Risk Factors
1 Feb to 6 Feb	Noise Pollution :- Its meaning and Definition, Causes, Remedial Features, Risk Factors.
8 Feb to 13 Feb	Thermal Pollution :- Its meaning and Definition, Causes, Remidial Features Risk Factors.
15 Feb to 20 Feb	Soil Pollution :- Its meaning and Definition, Causes, Remedial Features Risk Factors.
22 Feb to 27 Feb	Renewable and Non-Renewable Sources of Energy, Examples of all the Sources of Energy.
1 March to 6 March	Conventional and Non Conventional Sources of Energy, Examples of all the sources of Energy.

8 March to 13 March	Environment :- Its meaning and definition, Management of Environment, Steps of Environmat Management
15 March to 20 March	Environmat sources of management, Steps with proper explanation ad Diagrams.
22 March to 26 March	Energy Management : Its meaning and Definition, Management of Energy its steps.
27 March to 31 march	**Holi Break**
1 April to 3 April	Steps of Energy, Procedure and Digram and proper Explanation of concept.
5April to 10 April	Revision of Fulll Syllabus, Doubt Clearing Session
12 April to 16 April	MINOR. EXAMINATION.

PG - Lesson Plan 2020- 2021

Lecturer :	DR. DEEPU SAINI
Class with sem :	MA ECONOMICS (I^st Sem)
Subject / Paper :-	IT FUNDAMENTALS

Week	Topics
11 jan to 16 jan	Introduction to computer, classification & generation of computer
18 jan to 23jan	operating System, function types and features of operating System
25 jan to 30 jan	Data communication, Types, Network LAN, WAN, MAN
1 feb to 6 fab	Computer protocal, INTERNET, Mobile Communication TEST
8feb to 13 feb	Fundamentals of Mobile, Social Media tools and Marketing Strategies
15 feb to 20 feb	Data Base, its types, architecture of Database, Data Processing Data.
22 feb to 27 feb	Video conferencing, tools, Viewing. arranging and working with file and folders.
1 march to 6 march	MS - WORD = Toolbar, Menu, Editing A document; TEST
8 march to 13 march	MS - PowerPoint ⇒ Basics, insert, Tools, Format, Slide.
15 march to20 march	Create Presentation, Insert, Modify text work with graphics.

22 march to 26 march	MS-EXCEL :- ENTERING AND EDITING WORKSHEET DATA , WORKSHEET.
27 march to 31 march	**Holi Break**
1 april to 3 april	TEST MS-ACCESS TOOLBAR, ENTERING and editing the data.
5 april to 10 april	Introduction Tables and Data Analysis.
12 april to 16 april	Revision & TEST

PG - Lesson Plan 2020- 2021

(PR)

Lecturer :	DR. DEEPU SAINI
Class with sem :	MA Economics (Ist Sem)
Subject / Paper :-	IT FUNDAMENTALS

Week	Topics
11 jan to 16 jan	MS-WORD INTRODUCTION
18 jan to 23jan	Creating a Document Font operation,
25 jan to 30 jan	FIND AND REPLACE TEXT
1 feb to 6 fab	HYPERLINKING, CREATE TABLE and flowchart
8feb to 13 feb	Create Macro.
15 feb to 20 feb	Security of file, Creating Letter using Mail Merge.
22 feb to 27 feb	MS-POWER POINT INTRODUCTION. Creatry Singlecard, Multiple Slide
1 march to 6 march	Manul and Automatic Slide Shew, Hyperlinks, DATA Flow Diagram-SHAPE and Style.
8 march to 13 march	USE of Master Slide and Custom Animation in Powerpoint, MS-Excel Introduction
15 march to20 march	Create a Spreadsheet, Create table and its operations. , Hyperlinking

22 march to 26 march	Mathematical and Logical function
27 march to 31 march	Holi Break
1 april to 3 april	FILTERING of DATA & ITS TYPE
5 april to 10 april	PROTECTION SHEET
12 april to 16 april	REVISION.

PG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Dr. Renu.
Class with sem :	M.A. II year, III Semesta.
Subject / Paper :-	Public Economics.

Week	Topics
5 oct to 10 oct	Efficient Markets and market failure, Introduction of Natural Monopolies and its various concepts
12 oct to 17 oct.	Market Failure and Monopolies, Non-existence of futures markets and market failures.
19 oct to 24 oct	Asymmetric Information, its various concepts and its results for the Market failure
26 oct to 31 oct	Externalities, Types of Externalities Positive and Negative, Example related to Externalities.
02 nov to 7 nov	Problem of Externalities and their Internalisation and it various related concepts with examples.
09 nov to 14 Nov	Coase Theorem, Application of Coase Theorem, Importance of Coase Theorem and its related concepts.
16 nov to 21 nov	Theory of Public Goods and Public Choice, Public good - Characteristics, Types and efficient provision of public goods.
23 nov to 28 nov	Private provision of Pure Public Goods, Bowen Model and Samuelson Theory.

8 Feb 13 Feb	Wiseman Peacock Hypothesis, its overview, explanation, various criticisms.
15 Feb to 20 Feb	Public Debt :→ Objectives and sources, Classification and effects of Public Debts
22 Feb 27 Feb	Finance Commission of India, its structure and framework, its main functions.
1 March to 6 March	Budget :→ Meaning, Definition, types of Budget, various concepts related to Public Budget.
8 March to13 March	Theory of Budget, its evolution, Public Deficit, Zero Based Budgeting Budget surplus.
15 MArch to 20 March	Government Budgeting, its various concepts, framework and importance Criticism
22 March-26march	Difference between Public Debt and Public revenue and Deficits and its various concepts.
27 MArch to 31 March	HOLI- BREAK
01 April to 3 April	Revision of whole Syllabus and doubt clearing sessions.
05 April to 10 April	Minor Examination

PG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Ms Aastha Vats
Class with sem :	M.A. II year, III Semester
Subject / Paper :-	International Economics

Week	Topics
5 oct to 10 oct	
12 oct to 17 oct.	
19 oct to 24 oct	Introduction of theory of Absolute Advantage, Detailed Explanation of Absolute Advantage Theory.
26 oct to 31 oct	Introduction of Comparative advantage theory, Detailed explanation of the theory, Citicism of Comparative Theory.
02 nov to 7 nov	Introduction of Opportunity Cost theory, Detailed Explanation of Opportunity Cost theory, Criticism of the theory.
09 nov to 14 Nov	Introduction of Heckshes-Ohlin Theory of trade, its graphical explanation, its empirical testing (Leontiff Paradox)
16 nov to 21 nov	Factor Price - Equalization Theorem, its graphical presentation, its empirical testing.
23 nov to 28 nov	Gains from International Trade, Measurement of gains from trade and their distribution.

30 nov to 5 Dec	Concept of terms of trade, The uses of terms of trade, Limitations of Terms of Trade.
7 Dec to 12 Dec	Introduction of Intra-Industry Trade, its various concepts and Reasons and measurements.
14 Dec to 19 Dec	Introduction of Product Cycle, Theory its various concept, graphical explanation, Technology Gap.
21 Dec to 26 Dec	Introduction of Hypothesis of Secular Deterioration of terms of trade and its criticism.
28 Dec to 2 Jan	Theory of intervention (Tariffs, Quotas and Non-Tariffs), their diagrammatical presentation.
4 Jan to 9 Jan	Economic effects of tariffs, Introduction of Equilibrium, Partial and general Equilibrium.
11 jan to 16 jan	Stopler Samuelson model, Optimum Rates of tariffs - their measurement and effective rate of protection.
18 jan to 23 Jan	Balance of payments: Concepts, Components, Causes of Disequilibrium and solutions to correct the disequilibrium.
25 jan to 30 Jan	Process of adjustment - Gold Standard (Species Flow Mechanism), Automatic Price Adjustment under flexible ER.
1 Feb to 6 Feb	Devaluation, Concepts of Devaluation, Diagrammatical explanation of Devaluation

8 Feb 13 Feb	Keynesian Absorption Approach, its derivation, J-curve effect its diagrammatical explanation.
15 Feb to 20 Feb	Marshall Lerner's Condition, its advantages, uses ; Foreign Trade Multiplier.
22 Feb 27 Feb	International Monetary System and Regionalism, International Monetary System - Past, Present and Future.
1 March to 6 March	World Trade Organisation - its functions, objectives, Achievements and relations with India.
8 March to13 March	World Bank - Its functions, Objectives, Achievements and relations with India.
15 MArch to 20 March	Various forms of Economic Integration FTA, Custom Union, Common Market, Economic Integration.
22 March-26march	Theory of Custom Union, and its static and Dynamic effects, SAARC- its functions and objectives.
27 MArch to 31 March	HOLI - BREAK
01 April to 3 April	EU - Features and Objectives and Organizational Structure, Revision of whole Syllabus.
05 April to 10 April	Minor Examination

PG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Dr. Renu
Class with sem :	M.A. II year (III Sem)
Subject / Paper :-	Indian Economy - I

Week	Topics
5 oct to 10 oct	State of Indian Economy Since Independence : National Income
12 oct to 17 oct.	Sectoral contribution and Occupational distribution
19 oct to 24 oct	Need, Features and Impact of Economic Reforms in India
26 oct to 31 oct	Second Generations Reforms
02 nov to 7 nov	Present Challenges of Indian Economy
09 nov to 14 Nov	Revision of First Unit
16 nov to 21 nov	Pattern Poverty : nature, Extent, Estimates and Policy Initiatives
23 nov to 28 nov	Unemployment : nature, Extent, Estimates and Policy initiatives - Part I

30 nov to 5 Dec	Unemployment : Nature , Extent, Estimates and Policy Initiatives - Part II
7 Dec to 12 Dec	Inter - state Disparities in the pattern of Development.
14 Dec to 19 Dec	Price Trends and inflation
21 Dec to 26 Dec	Parallel Economy : Harmful effects of Parallel Economy
28 Dec to 2 Jan	Revision of Second Unit
4 Jan to 9 Jan	Pattern of Growth of Indian Agriculture since 1950s.
11 jan to 16 jan	Green Revolution: Need, features
18 jan to 23 Jan	Green Revolution: Merits & Demerits.
25 jan to 30 Jan	Deceleration in the 1990s - Extent and Causes.
1 Feb to 6 Feb	Agricultural Price Policy

8 Feb 13 Feb	Food security- Problems and Policy options.
15 Feb to 20 Feb	Revision of Third Unit
22 Feb 27 Feb	Industrial growth since Independence
1 March to 6 March	Industrial Policy in Pre reforms period.
8 March to13 March	Industrial Policy in Post reforms period.
15 MArch to 20 March	Impact of New Economic policy on Indian Industry
22 March-26march	Industrial Finance in India
27 MArch to 31 March	Holi break
01 April to 3 April	National Manufacturing Policy, 2011
05 April to 10 April	Revision of Fourth Unit.

PG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Ms. Neelja Parmar
Class with sem :	M.A. II year (III Sem)
Subject / Paper :-	Basic Econometrics

Week	Topics
5 oct to 10 oct	
12 oct to 17 oct.	
19 oct to 24 oct	Definition, Scope and Methodology of Econometrics, Simple linear Regression Model,
26 oct to 31 oct	OLS - Methods, Assumptions & Properties (Gauss Markov Theorem), Derivation and Interpretations of OLS Estimators of slope & coefficients (β_1 & β_2)
02 nov to 7 nov	Standard Deviation & Standard Error of Regression Coefficients (Derivation and Interpretation),
09 nov to 14 Nov	Coefficient of determination (R^2) and Correlation coefficient (r)
16 nov to 21 nov	Multiple linear Regression Model, Properties of OLS estimators with two explanatory variables.
23 nov to 28 nov	Determination Coefficients R^2 & Adjusted R^2.

30 nov to 5 Dec	Hypothesis Testing using t statistics.
7 Dec to 12 Dec	Hypothesis Testing using F statistics.
14 Dec to 19 Dec	Derivation of Confidence Interval
21 Dec to 26 Dec	Interpretation of Confidence Interval.
28 Dec to 2 Jan	Functional Form of Regression Model.
4 Jan to 9 Jan	Heteroscedasticity - Meaning, Sources, estimation, Consequences, detection & Remedial Measures.
11 jan to 16 jan	Multicollinearity - Meaning, Sources, estimation, Consequences, detection & Remedial Measures.
18 jan to 23 Jan	Autocorrelation - Meaning, Sources, estimation, Consequences, detection & Remedial Measures.
25 jan to 30 Jan	Generalized least Square (GLS)
1 Feb to 6 Feb	Revision of Second Unit

8 Feb 13 Feb	Revision of Third Unit.
15 Feb to 20 Feb	Specification of Regression Variables, Error of Measurements
22 Feb 27 Feb	Dummy Variables: Use of Dummy Variables, Slope Dummy Variables
1 March to 6 March	The Chow Test, Revision of ~~Dep~~ Dummy Variables
8 March to13 March	Simultaneous Equation Model: Simultaneous Dependence of Variables.
15 MArch to 20 March	Consequences of simultaneous dependence of Variables.
22 March-26march	Simultaneous Bias, Problem of Identification
27 MArch to 31 March	Holi break
01 April to 3 April	Rules of Identification: Order and Rank Conditions. Implications of the identification State of Model.
05 April to 10 April	Revision of Fourth Unit.

PG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Dr. Renu.
Class with sem :	M A. IInd (III Sem)
Subject / Paper :-	Agricultural Economics

Week	Topics
5 oct to 10 oct	Nature and scope of Economics of Agriculture
12 oct to 17 oct.	Specificities of Farm Organization and Agricultural Production and Markets
19 oct to 24 oct	Inter-sector linkages of Agriculture
26 oct to 31 oct	Place of Agriculture in Indian Economy
02 nov to 7 nov	Barriers to Agriculture
09 nov to 14 Nov	Revision of First Unit.
16 nov to 21 nov	Various types of Factor - Product, Factor - Factor relations.
23 nov to 28 nov	Various types of Factor - Product, Product-Product relations.

30 nov to 5 Dec	Faum Budgeting and Cost Concepts
7 Dec to 12 Dec	Nature and Types of risks and Uncertainties in Agriculture
14 Dec to 19 Dec	Role of Farm - Size and Structure in Equilibrium
21 Dec to 26 Dec	Revision of Unit II
28 Dec to 2 Jan	Schultz Theory of Traditional Agriculture.
4 Jan to 9 Jan	Mellor's Model of Agricultural development.
11 jan to 16 jan	Hayami - Ruttan Induced Innovation Model of Agricultural Development
18 jan to 23 Jan	Agricultural Development Transformation Indian perspective
25 jan to 30 Jan	Revision of Third Unit
1 Feb to 6 Feb	The New Economic Policy and Indian Agriculture

8 Feb 13 Feb	Main features of International Trade in Agricultural commodities
15 Feb to 20 Feb	Agriculture in GATT Negotiations
22 Feb 27 Feb	WTO and Agriculture
1 March to 6 March	Recent Developments in Indian Agricultural Policy
8 March to13 March	Revision of Fourth Unit
15 MArch to 20 March	Test of Nature and Scope of Economics of Agriculture, Barriers to Agriculture, Inter-sector linkages of Agriculture
22 March-26march	Test of Schultz Theory of Traditional Agriculture and Mellor's Model, Hayami-Ruttan induced Innovation model of Agricultural Development
27 MArch to 31 March	Holi break
01 April to 3 April	Test of Farm Budgeting and Cost Concepts, Nature and Types of risks and Uncertainities in Agriculture, Role of Farm-Size and Structure in Equilibrium.
05 April to 10 April	Test of New Economic Policy and Indian Agriculture, Agriculture in GATT negotiations, WTO and Agriculture

PG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Ms. Neerja Parmar
Class with sem :	M.A. II year (III Sem)
Subject / Paper :-	Rural development

Week	Topics
5 oct to 10 oct	
12 oct to 17 oct.	
19 oct to 24 oct	Concept, Nature, indicators of Rural development, Importance of Rural development
26 oct to 31 oct	Panchayati Raj Institutions & Village Cooperatives
02 nov to 7 nov	Gender Issues and Rural development in India.
09 nov to 14 Nov	Rural Infrastructure in India - Types, Meaning, Role of Infrastructure in development of Rural India.
16 nov to 21 nov	Rural Poverty : Meaning, Plans to Eradicate Poverty.
23 nov to 28 nov	Nature & Causes of Inter-state disparities in Rural development.

30 nov to 5 Dec	Consequences & Remedial Measures of Inter-state disparities in Rural development.
7 Dec to 12 Dec	Nature & causes of Rural - Urban Disparities in living standards.
14 Dec to 19 Dec	Consequences & Remedial Measure of Rural - Urban disparities in living standard.
21 Dec to 26 Dec	Food Security : Problem and Objectives
28 Dec to 2 Jan	PDS: Problem and objectives.
4 Jan to 9 Jan	Remedial Measures of food Security
11 jan to 16 jan	Nurksian Approach: to Rural development.
18 jan to 23 Jan	Clustes Approach to Rural development
25 jan to 30 Jan	Gandhian Approach to Rural development.
1 Feb to 6 Feb	Alternatives in Rural development: Dairying farming

8 Feb 13 Feb	Alternatives in Rural development: Poultry farming.
15 Feb to 20 Feb	The Role, Scope and Prospects of Rural Non-farm Enterprises
22 Feb 27 Feb	Policy and Allocation under Plans for Rural development
1 March to 6 March	The Role of Non-Government organizations in India.
8 March to13 March	Appraisal of Rural development in India since independence
15 MArch to 20 March	Revision of first Unit
22 March-26march	Revision of Second Unit
27 MArch to 31 March	Holi Break
01 April to 3 April	Revision of Third Unit
05 April to 10 April	Revision of fourth Unit

UG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Aastha Vats
Class with sem :	B.A.I, I Semester
Subject / Paper :-	Economics / Microeconomics I.

Week	Topics
5 oct to 10 oct	
12 oct to 17 oct.	
19 oct to 24 oct	Introduction of Economics, Scope and subject matter of Economics, Nature of Economics, Definition by Different Economists'
26 oct to 31 oct	The Economic Problem: - Scarcity Problem, Choice Problem, Functions of an Ecosystem, Circular flow of Economic Activities
02 nov to 7 nov	System of Economic Organisation, Micro and Macro economics, Law of demand, Shifting of Demand curve, Exceptions of Law of Demand.
09 nov to 14 Nov	Elasticity of Demand, Types of elasticities, Concepts, Types of measurements, Determinants and Importance of Elasticity.
16 nov to 21 nov	Concept of Utility, Cardinal Utility Analysis, Marginal and Total Utility. Consumer's Equilibrium.

23 nov to 28 nov	Consumer's Utility, Derivation of Demand Curve, Consumer's Surplus. Analysis of Consumer's Surplus.
30 nov to 5 Dec	Introduction of Indifference Curve, Indifference Curve Analysis, Characteristics, Budget line analysis.
7 Dec to 12 Dec	Marginal Rate of Substitution, Consumer's Equilibrium, Price effect and its concepts Income Effect and its concepts.
14 Dec to 19 Dec	Substitution effect and its concepts, Derivation of Demand Curve, Limitation of utility theory of Demand.
21 Dec to 26 Dec	Concept of Supply, Law of Supply, Shifting of Supply Curve, Elasticity of Supply and its concepts.
28 Dec to 2 Jan	Producer's Behaviour and Supply, Firm as an agent of Production, Law of Variable factors, Internal & External Economies.
4 Jan to 9 Jan	Returns to scale, Characteristics of Iso-Quants Curve and its analysis, Ridge Lines, Least Cost Combination of factors.
11 jan to 16 jan	Internal Economies and its various concepts, External Economies and its various concepts.
18 jan to 23 Jan	Movements of Supply Curve, Shifts of Supply Curve, Elasticity of Supply. Types of measurements
25 jan to 30 Jan	Concepts of Costs, Types of costs and their analysis, Short period Costs.

1 Feb to 6 Feb	Analysis of Short Run Costs, Long Period Cost, Analysis of Long Run Costs. Various Concepts of Cost.
8 Feb 13 Feb	Cost Curves and their slopes and shapes, Modern theory of costs and its analysis.
15 Feb to 20 Feb	Cost curve Analysis, Short run and long term cost curve analysis and concepts.
22 Feb 27 Feb	Concept of Revenue, Revenue Curve analysis, Total Revenue Curve.
1 March to 6 March	Average Revenue Curve, Marginal Revenue Curves, and its analysis.
8 March to 13 March	Break even point, Break even Analysis, Importance of Break even Analysis.
15 MArch to 20 March	Revision of whole syllabus and doubt clearing sessions

UG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Aastha Vats.
Class with sem :	B.A. II – III Semester.
Subject / Paper :-	Economics / Macroeconomics II.

Week	Topics
5 oct to 10 oct	
12 oct to 17 oct.	
19 oct to 24 oct	Introduction of Macroeconomics, Nature and Scope of Macroeconomics Issues related to Macroeconomics.
26 oct to 31 oct	Concepts of GDP, Concepts related to National Income, Measurements of National Income.
02 nov to 7 nov	Measurements of National Income and related Aggregates, Nominal Income Concepts.
09 nov to 14 Nov	Real Income concepts, Limitations of the GDP concepts, Methods of Measurement of India's NY.
16 nov to 21 nov	Measurement of India's National Income by CSO, its importance and its working.

23 nov to 28 nov	National Income Determination and its various concepts, Actual GDP concepts and Potential GDP.
30 nov to 5 Dec	Aggregate Expenditure - Consumption function, Investment function, Equilibrium GDP.
7 Dec to 12 Dec	Concepts of MPC, its importance and related aggregates, Determinants and components of MPC.
14 Dec to 19 Dec	Concept of APC, its importance, and related Aggregates, Determinants and components of APC.
21 Dec to 26 Dec	Concepts of MPS and APS, its importance, related aggregates, Determinants and Components.
28 Dec to 2 Jan	Concepts related to Autonomous Expenditure, Expenditure Curves and its Derivation.
4 Jan to 9 Jan	Concept of Multiplier, Working Process of Multiplier, Reverse operation of Multiplier and its limitation.
11 jan to 16 jan	National Income Determination in an open Economy with government, Introduction of Fiscal Policy.
18 jan to 23 Jan	Components of Fiscal Policy, Impact of changes in govt. Expenditure and Taxes.
25 jan to 30 Jan	Concepts related to fiscal policy its working, Net Export Function.

1 Feb to 6 Feb	Net Exports Function and Equilibrium GDP, Changes in the Net Exports Function and its concepts.
8 Feb 13 Feb	GDP level in Short Run and its Analysis, GDP level in long run and its analysis and related concepts.
15 Feb to 20 Feb	Price level in short Run and long run analysis and its related concepts.
22 Feb 27 Feb	Aggregate Demand curve, its derivation, shifting and related concepts.
1 March to 6 March	Aggregate Supply Curve, Multiplier Analysis with A-D curve and its various concepts.
8 March to 13 March	Multiplier Analysis with A-D curve and Price level Changes, Aggregate Supply in Short and long run.
15 MArch to 20 March	Revision of whole syllabus, Doubt clearing sessions

UG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Ms. Neeraja Parmar
Class with sem :	B.A. III year (V Sem)
Subject / Paper :-	Economics / Development Economics

Week	Topics
5 oct to 10 oct	
12 oct to 17 oct.	
19 oct to 24 oct	Introduction of Underdeveloped Countries, Difference between Developed and Underdeveloped Economies, Economic growth, Economic development
26 oct to 31 oct	Sustainable development, Determinants of Economic development, Non-economic determinants of Economic development, Measurement of Economic development,
02 nov to 7 nov	Economic Obstacles, Non-Economic Obstacles, Introduction of Vicious Circle of Poverty
09 nov to 14 Nov	Causes of Vicious Circle of Poverty, Criticisms of Vicious Circle of Poverty
16 nov to 21 nov	Meaning of Balanced Growth, Basis of the theory of Balanced Growth

23 nov to 28 nov	Advantages of the Balanced Growth, Criticisms of the Theory of Balanced Growth., Meaning of Unbalanced Growth
30 nov to 5 Dec	Explanation of the theory of Unbalanced Growth., the Unbalancing Process
7 Dec to 12 Dec	Merits and Criticisms of the Theory of Unbalanced Growth. Balanced Growth Theory Vs. Unbalanced.
14 Dec to 19 Dec	Lewis Model: Assumptions, Process of Growth, features and Criticism
21 Dec to 26 Dec	Test, discussion of Test, Introduction of Leibenstein's Critical Minimum Effort Thesis.
28 Dec to 2 Jan	Liebenstein's Critical Minimum effort: Need, diagrammatic Illustration, Stages, Criticism
4 Jan to 9 Jan	Test, discussion of Test, Introduction of Natural Resources.
11 jan to 16 jan	Classification of Natural Resources,
18 jan to 23 Jan	Meaning and definition of Environment, Scope of environmental Economics. Environment - A Necessity
25 jan to 30 Jan	Environment - A Luxury, Introduction of Population - Environmental linkage

1 Feb to 6 Feb	Impact of Population Growth on Environment, Impact of Environment on Population
8 Feb 13 Feb	Test, Discussion of the problems.
15 Feb to 20 Feb	Meaning of Environment / Public Goods, Public Goods and Externalities, Environmental Pollution.
22 Feb 27 Feb	Revision of 1st Unit, Test
1 March to 6 March	Revision of 2nd Unit, Test
8 March to 13 March	Revision of 3rd Unit, Test
15 MArch to 20 March	Revision of 4th Unit, Test.

PG - Lesson Plan from January - 2020 to April - 2020

Lecturer :	Dr. Seema Rani
Class with sem :	M.Sc. Ist - Ist Sem
Subject / Paper :-	Measure & Integration

Week	Topics
2 Jan to 4 Jan	←
6 Jan to 11 Jan	Countable sets, uncountable set, Cardinality of set, Cantor set and Cantor function, set function.
13 Jan to 18 Jan	Theorem based on Cantor set. Definition of measure. Properties of measure.
20 Jan to 25 Jan	Measurable set and their fundamental properties. Theorem based on measurable set.
27 Jan to 1 Feb	Problem Discussion. Test.
3 Feb to 8 Feb	Lebesgue measure of a set of real numbers. Algebra of measurable sets Borel set
10 Feb to 15 Feb	equivalent formulation of measurable set, F_σ & G_δ sets.

17 Feb to 22 Feb	Non-measurable set. Problem Discussion. Test
24 Feb to 29 Feb	Measurable function & their properties. Simple function and continuous function.
2 March to 7 March	Theorem based on simple function & continuous function.
8 March to 15 March	**Vacation - II (Holi)**
16 March to 21 March	Test Egoroff's theorem. Lusin's theorem, F- Riesz theorem.
23 March to 28 March	Almost uniform convergence Riemann Integral of bounded function. Lebesgue integral of bounded function.
30 March to 4 April	Lebesgue theorem regarding points of discontinuities of Riemann integrable function.
6 April to 11 April	Fatou's Lemma, Monotone convergence theorem. Lebesgue convergence theorem.
13 April to 18 April	Test Problem Discussion.
20 April to 25 April	Lebesgue L^p- space and example.

27 April to 30 April	Holder & Minkowski Inequality. Test & problem Discussion.
1.05.2020	**Even Semester Examination Start**

Per-lesson Plan from Oct 2020 to March 2021

	Lecturer – Ms. Sunita Class with Sem – M.Sc-I (Sem-I) Subject/Paper – Mathematics (Ordinary Differential Equation)
14 Dec - 19 Dec	Intro. to initial value problem. and equivalent integral eqn. Approximate solution.
21 Dec - 26 Dec	Cauchy - Euler construction of an approximate solution. Equicontinuous family of functions.
28 Dec - 2 Jan	Ascoli - Arzela lemma, Cauchy-Peano existence theorem. Uniqueness of solutions.
4 Jan - 9 Jan	Lipschitz conditions. Picard - Lindelof thorem and uniqueness thorem.
11 Jan - 16 Jan	Dependence of solutions on initial value problem. Solution of initial value problem by Picard method
18 Jan -23 Jan	Revision of unit test Class Test. of unit Ist.

25 Jan - 30 Jan	Sturm - Liouville BVPs, Sturms theo.
1 Feb - 6 Feb	Lagrange's identity and Green's formula for second order diffe.
8 Feb - 13 Feb	Non-linear differencial system. Plane autonomous system and critical points.
15 Feb - 20 Feb	Dynamical system and basic notions of dynamical system such as flows
22 Feb - 27 Feb	Rectification theorem, rest point and its stability.
1 Mar - 6 Mar	Almost linear system Liapunov function and Liapunov's method to
8 Mar - 13 Mar	determine stability for non-linear system. Periodic solutions and
15 Mar - 20 Mar	flow theory for periodic system. Limit cycle, Poincare - Bendixson Theorem

UG - Lesson Plan from January - 2020 to April - 2020

Lecturer :	Ms. MOHINI
Class with sem :	MSC-I (Sem-I)
Subject / Paper :-	Mathematical Statistics

Week	Topics
2 Jan to 4 Jan	—
6 Jan to 11 Jan	Introduction of Probability
13 Jan to 18 Jan	Probability: Classical Statistical and axiomatic approach, Addition Theorem of probability, examples.
20 Jan to 25 Jan	Conditional Probability, Multiplication Theorem of probability, Independent Events, Multi--plication of probability for independent events examples.
27 Jan to 1 Feb	Problem Discussion, Bayes theorem, examples, Bayes Theorem applications, Theorems based on Bayes, pairwise events, Problems
3 Feb to 8 Feb	Pairwise independent events, mutually independent events, examples, Theorems, Random variable. Problem Discussion.
10 Feb to 15 Feb	Test, Discrete and continuous random variable examples. Distribution function, Discrete distribution function, continuous distribution fun.

17 Feb to 22 Feb	Bivariate discute random variables, Joint, marginal and conditional probability mass func examples, conditional probability mass func. examples
24 Feb to 29 Feb	Independence of random variable, examples, Test of topics of unit-1, Mathematical expectation, Problem Discussion.
2 March to 7 March	Mathematical expectation and its properties (addition and multiplication theorem of expectation), Expectation of linear combination of random variable.
2 March to 7 March	Variance, properties of variance, variance of linear combination of random variable, examples, covariance, moment generating function, Uniqueness Theorem.
8 March to 15 March	Vacation - II (Holi)
16 March to 21 March	Binomial Distribution, examples, moments of Binomial, recurrence relation, moment generating function, mean deviation about mean, additive property of binomial distribution, Examples
23 March to 28 March	Poission Distribution function (examples, moments, recurrence relation, moment generating function, mean deviation about mean, additive property), Examples, Test, problem Discussion
30 March to 4 April	Geometric distribution (lack of memory, moments, moments generating function, examples) Gamma Distribution function (moments, moment gen. func, limiting form, additive property), Examples, Test
6 April to 11 April	Normal Distribution (limiting form, mode, median, moment generating func, moments, additive property, examples) Uniform Distribution (moments, moment generating func, additive property, Examples, Test)
13 April to 18 April	Chebychev's Inequality, Central limit theorem, weak law of large number, revision, Point and interval estimation, unbiasedness, sufficiency, consitency and efficiency, Test.

20 April to 25 April	Testing of hypothesis, null and alternative, hypo-thesis, examples, simple and composite hypo-thesis, types of error, Examples, Test.
27 April to 30 April	One tailed and two tailed test, Chi-square test, presentation on the topics of unit-3, Revision.
1.05.2020	Even Semester Examination Start

P G - Lesson Plan from Nov 2020 to April 2021

Lecturer - Ms. - Dipti

Class - M.Sc - (Ist Sem)

Subject/Paper - Mechanics

11 Jan to 16 Jan	Definition of Moment of Inertia, M.I in three dimension M.I in two dimension, M.I in one dimension, Radius of Gyration. Examples of M.O.I
18 Jan to 23 Jan	Moments and products of Inertia about co-ordinate axes, M.O.I of a body about a line (an axis) whose direction cosines are $\langle \lambda, \mu, \nu \rangle$. K.E of a body rotating about O
25 Jan to 30 Jan	Parallel axis theorem, Perpendicular axis theorem Converse of bar axis theorem. Angular Momentum of a rigid body about a fixed pt. and about a fixed axis. Principal axis & their determination, theorems
1 Feb to 6 Feb	Moments and Products of Inertia about principal axes and hence to find angular momentum of body & Examples.
8 Feb to 13 Feb	Equimomental System, Theorems & Examples. Unit-I Complete. Tracking Sheets & Revision. Unit-I test
15 Feb to 20 Feb	Generalized Co-ordinates, Holonomic system, Virtual displacement, Virtual work & Generalised forces. Constraints of Motion. Lagrange's eq^ns for a Holonomic dynamical system. Lagrange eq^n for a Conservative System of forces

22 Feb to 27 Feb	Generalised Components of Momentum and Impulse Lagrange's eqn for Impulsive forces · K·E as a quadratic function of velocities · Donkin's Theorem · Extension of Lagrange's dual transformation
1 March to 6 March	Define Hamilton's Equations of Motion Energy equation for Conservative fields · Generalised potential cyclic or Ignorable co-ordinates · Hamiltonian & Hamiltonian Variables
8 March to 13 March	Hamilton's Canonical eq's of Motion & Examples · Routh's eq's · Generalised potential · Poisson's Bracket Properties · Hamilton's eq's of motion in Poisson's Bracket (unit-2 complete)
15 March to 20 March	Jacobi's Identity on Poisson Brackets (Poisson's Identity) Poisson's Theorem · Jacobi Poisson Theorem · Derivation of Hamilton's Principle from Lagrange's eqn. Derivation of Lagrange's eq. from Hamilton's Principle of least action · Distinction b/w Hamilton's Principle and principle of least action · Poincare-Cartan Integral Invariant, Whittaker's Equations · Jacobi's equations
22 March to 27 March	Theorem of Lee-Hwa-Chung
28 March to 31 March	Holi Break
1 April to 3 April	Canonical Transformations, Point transformation Hamilton-Jacobi Equation. Statement of Jacobi's Theorem, Method of separational variables & Examples Test of unit-2. Jacking division & doubts
5 April to 10 April	Lagrange's Brackets, Properties · Invariance of Poisson's Bracket under Canonical transformation. Poincare Integral Invariant · Lagrange's bracket is Invariant under Canonical transformation. Unit-3 Complete
12 April to 16 April	Attraction of a uniform straight rod at an external pt. Potential of uniform rod, Potential at a pt. on the axis of a Uniform circular disc or plate. Attraction at any pt. on the axis of Uniform circular disc. Pot. of a thin Spherical shell · Attraction of a spherical shell. Pot. of a uniform Solid Sphere · Attraction of a uniform solid sphere · Self attraction System & Examples Laplace's eq. for potential Poisson's eq. for potential · Equipotential Surfaces & Examples surface density Interior of surface harmonics unit-4 Complete · Future doubts & Revision.

PG - Lesson Plan 2020- 2021

Lecturer :	Ms. ANJU KANT
Class with sem :	M.Sc. I (Ist Semester)
Subject / Paper :-	ABSTRACT ALGEBRA

Week	Topics
5oct to 10oct	
12oct to 17oct	
19oct to 24oct	
26oct to 31oct	
2nov to 7nov	
9nov to 14nov	
16nov to 21 nov	
23 nov to 28 nov	
30 nov to 5 dec	
7 dec to 12 dec	
14 dec to 19 dec	UNIT-I Introduction of group, Properties
21 dec to 26 dec	Example including matrices, Permutation groups, groups of symmetry
28 deec to 2 jan	roots of unity, Lakshy Doubts

4 jan to 9 jan	Solvable groups, Solvability of S_n – the Symmetric group of degree $n \geq 2$
11 jan to 16 jan	Nilpotent group: Central series, Nilpotent groups and their properties
18 jan to 23jan UNIT II	Nilpotent group: Central series, Nilpotent groups and their properties Equivalent conditions for a finite group to be nilpotent, Upper and lower central series Sylow p-sub group
25 jan to 30 jan	Sylow theorems with simple applications Description of group of order p^2 and pq
1 feb to 6 fab	Taking doubts and Test Unit – II
8feb to 13 feb UNIT III	Def^n of Ring, Examples including Congruence classes modulo n, Ideals and homomorphism Quotient rings, Polynomials ring in one variable over a ring, Units, non zero divisors, Integral domains
15 feb to 20 feb	UFD, PID, ED Primary decomposition of Ideals, Radical of an Ideal Primary Ideals, Primary decomposition taking doubts previous syllabus
22 feb to 27 feb	
1 march to 6 march	Revision of UNIT – I, II, III and Test
8 march to 13 march	taking all Problems.
15 march to 20 march	Canonical form: Similarity of Matrices, Simi.
22 march to 26 march	**Holi Break**
27 march to 31 march	of linear transformation, Invariant Subspaces, Triangular form, Invariant direct-sum decomposition
1 april to 3 april	Jordan canonical and Rational canonical form, taking Problems
5 april to 10 april	Revision, Tests

PG - Lesson Plan 2020- 2021

(PR)

Lecturer :	DR. DEEPU SAINI
Class with sem :	M.Sc - Mathematics (Ist Sem)
Subject / Paper :-	Introduction To MS-EXCEL AND PROGRAMMING IN FORTRAN

Week	Topics
11 jan to 16 jan	An Introduction about MS-Excel.
18 jan to 23jan	Features of MS-Excel
25 jan to 30 jan	Explaination of Menubar.
1 feb to 6 fab	Table - Students, Percentages, Electric Bill, Salary Calculation.
8feb to 13 feb	Macro command with Recording.
15 feb to 20 feb	Mathematical and Statistical function in Excel, Chart
22 feb to 27 feb	An Introduction about Fortran laguag. WAP in Fortan. to calculate additionaltwo
1 march to 6 march	WAP infortan To find greatest amneng three WAP in fortan to find the area of triangle.
8 march to 13 march	WAP in fortan to implement elseif, nested if and Select Case Statement.
15 march to20 march	WAP in fortan to implement Do-While Statement

22 march to 26 march	WAP in fortan to find Reverse of a number.
27 march to 31 march	**Holi Break**
1 april to 3 april	Write a program to find Sum of two matices using array.
5 april to 10 april	WAP in fortan Bubble Sort
12 april to 16 april	Example of a SelectionSort

PG - Lesson Plan form Oct 2020 to March 2021

Lecturer - Dr. Seema Rani

Class with Sem - Msc final 3rd Sem

Subject/Paper - Mathematical Modelling

18 Dec. 14 Dec - 19 Dec	Introduction of mathematical modelling. Some Basic definition and Examples.
21 Dec - 26 Dec	Need Process and Techniques of mathematical modelling. Classification of modelling and examples.
28 Dec - 2 Jan	Problem Discussion Modelling through ordinary differential equation of first order.
4 Jan - 9 Jan	Models related to ODE of 1st order. Qualitative sol? through sketching.
11 Jan - 16 Jan	Example based on models. Problem discussion.
18 Jan -23 Jan	Test - unit I Modelling in population dynamics models and their related examples.

25 Jan - 30 Jan	Modelling in epidemic, spreading and compartment models. Modelling through algebra & calculus.
1 Feb - 6 Feb	modelling in economics, medicine, arm-race, battle. Problem Discussion.
8 Feb - 13 Feb	Lanchester model and Richardson model for arm race and their related problems.
15 Feb - 20 Feb	Test Series Modelling through O.D.E of second order Higher order models and their related problem.
22 Feb - 27 Feb	Difference Equation, Need & Basic theory of modelling in probability theory.
1 Mar - 6 Mar	modelling in economic, finance, population dynamics & genetics. Test
8 Mar - 13 Mar	Modelling in P.D.E: mass-balance eqn, variational principle, Probability generating function. Traffic flow problem.
15 Mar - 20 Mar	Initial and boundary value problem. Problem Discussion & Test series.

PG-Lesson Plan from oct 2020 to March 2021

Lecturer	Ms. MOHINI
Class with sem	M.Sc-II (Sem-III)
Subject/ Paper	Fluid Dynamics

Week	Topics
5 Oct -10 Oct	–
12 Oct - 17 Oct	
19 Oct - 24 Oct	Introduction to fluid Dynamics, velocity at a point of a fluid, Eulerian and lagrangian methods, stream line, path lines and streak lines, Theorems.
26 Oct -31 Oct	Velocity potentials, Irrotational and rotational motions examples, problem Discussion, Vorticity and circulation Equation of continuity in cartesian co-ordinate
2 Nov - 7 Nov	Equation of continuity in orthogonal curvilinear coordinate in cylindrical coordinates, in spherical polar coordinates, examples related to equation of continuity.
9 Nov - 14 Nov	Boundary surfaces, Problem discussion, Equation of continuity by langrangian method, accelerations at a point of a fluid, component of acceleration in cylindrical and spherical polar coordinates, Examples
16 Nov - 21 Nov	Problem discussion of full unit, pressure at a point of a moving fluid, Euler's and langranye equations of motion eqn of motion in cylindrical and spherical polar coord-nates, Bernoulli's equations.

23 Nov - 28 Nov	Examples, Impulsive motion, Kelvin's circulation Thm, examples, problem Discussion, Test Vorticity equation, energy equ^{n} for incompressible flow.
30 Nov - 5 Dec	Acyclic and cyclic irrotational motions, Kinetic energy of irrotational flow, Kelvin's minimum energy Theorems Revision, Problem Discussion.
7 Dec - 12 Dec	Mean potential over a spherical surface, Kinetic energy of infinite fluid, examples, Revision.
14 Dec - 19 Dec	Uniqueness theorem, Axially symmetric flows, Liquid streaming past a fixed sphere, examples, Test.
21 Dec - 26 Dec	Motion of a sphere through a liquid at rest at infinity, equ^{n} of motion of a sphere, Kinetic energy generated by impulsive motion, examples, problem discussion.
28 Dec - 2 Jan	Three - dimensional, sources, sinks and doublets, Revisions of unit-1, Doubt discussion, Test.
4 Jan - 9 Jan	Images of sources, sinks and doublets in rigid impermeable infinite plane and in impermeable spherical surfaces, examples, problem Discussion.
11 Jan - 16 Jan	Revision of unit-2, kinetic energy of acyclic and cyclic irrotational motion, problem Discussion, Test
18 Jan -23 Jan	Revision of Unit-2, symmetric flow, Stoke's stream function, presentation on topic of unit-3, Test.

	Revision of Unit-3, Problem Discussion, Test.
25 Jan - 30 Jan	
1 Feb - 6 Feb	Presentation of topics of Unit-3, equation of motion in cylindrical and spherical polar co-ordinates, Problem Discussion.
8 Feb - 13 Feb	Equation of continuity (in cartesian coordinates, in orthogonal curvilinear coordinates), Revision of Unit-2
15 Feb - 20 Feb	Equation of continuity in cylindrical and spherical coordinates, Revision of Unit-2, Problem Discussion Test.
22 Feb - 27 Feb	Motion of a sphere through a liquid at rest at infinity, equation of motion of a sphere, K.E generated by impulsive motion, Test
1 Mar - 6 Mar	Presentation on the topics of Unit-4, Assignment
8 Mar - 13 Mar	Test of Unit-1, 2, Problem Discussion, Test.
15 Mar - 20 Mar	Test of Unit-3,4, Problem Discussion, Final Test.

Lesson Plan from October - 2020 to March - 2021

Lecturer :	Ms. ANJU RANI
Class with sem :	M.Sc. IInd (IIIrd Semester)
Subject / Paper :-	Differential Geometry

Week	Topics
22 Oct to 24 Oct	
26 Oct to 31 Oct	
2 Nov to 7 Nov	
9 Nov to 14 Nov	
16 Nov to 21 Nov	
23 Nov to 28 Nov	
30 Nov to 5 Dec	
7 Dec to 12 Dec	UNIT-I – Introduction of Curves Curves with torsion : Tangent, Normal
14 Dec to 19 Dec	Principal normal, Binormal, Torsion, Seret - Frenet formulae.
21 Dec to 26 Dec	Locust of centre of curvature Examples, theorem, Applications

28 Dec to 2 Jan	UNIT-II Spherical Curvature, Locus of centre of Spherical Curvature,
4 Jan to 9 Jan	Envelopes :- Surfaces, Tangent plane, Envelop, characteristic
11 Jan to 16 Jan	Related Examples and Theorems
18 Jan to 23 Jan	Revision of UNIT I and UNIT-II, Tests Introduction of UNIT-III
25 Jan to 30 Jan	UNIT III - Curvilinear co-ordinates, First order magnitudes, Directions on a surface, Second Order magnitudes
1 Feb to 6 Feb	Derivative of unit normal
8 Feb to 13 Feb	Revision of UNIT - III and Taking problems Revise UNIT - II, III
15 Feb to 20 Feb	UNIT-IV Principal directions and curvatures
22 Feb to 27 Feb	Geodesics : Geodesic property and Theorems and Examples, Test UNIT-III
1 Mar to 6 Mar	Equations of geodesics, Torsion of a geodesic, taking problems
8 Mar to 13 Mar	Revision of UNIT - IV Discussion on problems
15 Mar to 20 Mar	Revise UNIT - I, II, III Tests

UG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Dr NUTAN SHARMA
Class with sem :	M.Sc III SEM
Subject / Paper :-	MATLAB (Practical)

Week	Topics
5 oct to 10 oct	Introduction to MatLab. MatLab API (APPLication Programming interface)
12 oct to 17 oct.	Working environment of MATLAB How Polynomials can be represented in MATLAB, application of MATLAB
19 oct to 24 oct	Introduction to MatLab functions abs, ackn, axis, CLF (Clear figure)
26 oct to 31 oct	Conv, deconv, det eig, eps, figure, for, format
02 nov to 7 nov	Grid, draw the grid lines on the current Plot.
09 nov to 14 Nov	Help (Matlab help documentation) Hold, if, imag
16 nov to 21 nov	impulse input, inv, length, lqr, Margin minreal,

23 nov to 28 nov	Print , rank . real roots size sqrt, title
30 nov to 5 Dec	Magic function Revision of commands
7 Dec to 12 Dec	Roots find the roots of Polynomial
14 Dec to 19 Dec	Rlocus draw the root locus sqrt - square root
21 Dec to 26 Dec	P2MAP - Pole - zero map of linear system
28 Dec to 2 Jan	Polyval - Polynomial evalution
4 Jan to 9 Jan	Print Print the current plot ones return a vector or matrix of ones, See also zeros
11 jan to 16 jan	Norm norm of a vector obsv function clear doubts
18 jan to 23 Jan	INV find the inverse of a matrix
25 jan to 30 Jan	Legend graph legend input Prompts for user input

1 Feb to 6 Feb	gtext add a piece of text to the current plot, see also text
8 Feb 13 Feb	Text add a piece of text to the current plot
15 Feb to 20 Feb	SubPlot divide the Plot window up int Pieces, see also plot, figure.
22 Feb 27 Feb	X label / Y label add a label to the horizontal/vertical axis of the current plot.
1 March to 6 March	zeros returns a vector or Matrix of zeros
8 March to 13 March	z grid, generate grid lines of constant damping ratio (zeta)
15 MArch to 20 March	SS data access to state space data see also TF data.

PG-Lesson Plan from October-2020 to March 2021

	Lecturer - Ms. Dipti Class with Sem. - M.Sc IInd (3rd Sem) Subject / Paper - Mechanics of Solids
14 Dec to 19 Dec	Definition of Cartesian tensors Cartesian tensors of different order.
21 Dec to 26 Dec	Properties of tensors, Symmetric & Skew-symmetric tensors, Isotropic tensors of different orders & Relation b/w them.
28 Dec to 2 Jan	Tensor Invariants, Eigen value & eigen vectors of a second order tensor.
4 Jan to 9 Jan	Scalar, vector, tensor functions, Common notation, Gradient & divergence & curl of a tensor field
11 jan to 16 jan	Examples of Gradient & divergence & curl of a tensor field. Taking doubts & Revision. Unit-I Complete
18 jan to 23 Jan	Define Stress vector, Stress Components, Cauchy eq's of equilibrium & Its Examples.
25 jan to 30 Jan	Stress tensor. Symmetry of stress tensor. Stress Quadric of Cauchy Principal Stress & Invariants

1 Feb to 6 Feb	Maximum normal & shear stresses Mohr's diagram. Taking doubts. Examples of stress.
8 Feb 13 Feb	Define Affine transformations. Infinitesimal affine deformation, Geometrical Interpretation of the components of strain.
15 Feb to 20 Feb	Strain quadric of Cauchy, Principal strains & Invariants, General Infinitesimal deformation. Saint-Venant's eq^ns of compatibility
22 Feb 27 Feb	finite deformations, Examples of uniform dilatation, Simple extension & Shearing Strain - Unit-3 complete Taking doubts & Revision.
1 March to 6 March	Define Hooke's Law & its generalization Hooke's laws in media with one plane of symmetry, orthotropic & transversely Isotropic Media
8 March to 13 March	Homogeneous Isotropic Media. Elastic Moduli for Isotropic Media, Equilibrium & dynamic eq^ns for an Isotropic elastic solid
15 March to 20 March	Beltrami-Michell Compatibility eq^ns, Strain energy function & its connection with Hooke's Law, Clapeyron's theo. Saint-Venant's Principle (Statement)
22 March - 26 March	Taking doubts of Unit 2 & Test
27 March - 31 March	Holi Break
1 April - 3 April	Taking doubts of Unit 3 & Test
5 April - 10 April	Taking doubts of Unit 4 & Test

Plan-Lesson Plan from oct 2020 to March 2021

Lecturer - Ms. Charanda Sharma

Class with Sem - M.Sc 2nd year (3rd Sem.)

Subject / Paper - Partial Differential Equations.

14 Dec - 19 Dec	Curves and Surfaces, Genesis of first order P.D.E
21 Dec - 26 Dec	Classification of integrals, Compatible Systems, Chirpit's method, Integral Surfaces through a given curve.
28 Dec - 2 Jan	Quasi - Linear Equations, Method of separation of variables and Revision of Unit 1.
4 Jan - 9 Jan	Genesis of Second order P.D.E., Classification of second older P.D.E., One Dimensional Wave Equation
11 Jan - 16 Jan	Vibration of a semi - infinite string, vibrations of an Infinite strings.
18 Jan -23 Jan	Vibrations of a string of finite length, Revision of Unit 2, Test of Unit 1.

25 Jan - 30 Jan	Boundary Value Problems, Maximum and minimum Principles, The Cauchy Problem, The Dirichlet Problem for upper half plane
1 Feb - 6 Feb	The Neumann Problem for ~~upper~~ upper half plane, The Dirichlet problem for a circle, The Dirichlet Exterior problem for a circle
8 Feb - 13 Feb	The Neumann problem for a circle, the Dirichlet problem for a rectangle, Revision of Unit 3, test of Unit 2.
15 Feb - 20 Feb	Heat conduction - Infinite rod case, Heat conduction - finite rod case, Duhamel's Principle.
22 Feb - 27 Feb	Heat conduction Equation, Classification in the case of n- veribles
1 Mar - 6 Mar	Families of Equipotential Surfaces, Kelvin's Inversion Theorem. Revision of Unit 4.
8 Mar - 13 Mar	Test of Unit 3 and 4.
15 Mar - 20 Mar	Revision of all Units and Test of Unit 1 and 2.

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer	Mr. MOHINI
Class with sem	B.Sc-Int (Int sem)
Subject/ Paper	ALGEBRA

Week	Topics
2 Nov to 7 Nov	Introduction to Chap-I (Matrices), Definitions, Theorems Examples of Ex-1.1, Exercise ques, Doubt Discussion
9 Nov to 14 Nov	Exercise-1.2 (symmetric and skew symmetric Matrix) Theorems and examples, Hermitian Matrix & Skew-Hermitian Matrix, Examples, Ques, Doubt Di.
16 Nov to 21 Nov	Introduction to Ch-2 (Rank of a Matrix) Exercise-2.1, Elementary operations, Examples, Equivalent Matrix, Row-column equivalent Echelon Matrix
23 Nov to 28 Nov	Examples of Echelon form, Normal forms, examples, Theorems, examples, Inverse of a Matrix
30 Nov to 5 Dec	Induction to 2.4 (linear Dependence and Independence of row and column matrices, Theorems, Exercise-2.4 Doubt Discussion.
7 Dec to 12 Dec	Introduction to Ch-3, Example, Ex-3.1, Cayly-Hamilton Theorem, examples, Doubt Discussion, Test
14 Dec to 19 Dec	Exercise - 32,33, Theorems, examples, Test

21 Dec to 26 Dec	Introduction to ch-4 (Applications of matrices to a system of linear equations) Theorems, Ex-4.1 examples
28 Dec to 2 Jan	Exercise-4.2 (examples, Qus), Doubt Discussion, Test.
4 Jan to 9 Jan	Introduction to chap-5 (orthogonal and Unitary matrices), Theorems, examples, questions, Doubt Discussion, Test
11 Jan to 16 Jan	Introduction to chap-6 (Bilinear and Quadratic forms), Theorems, Examples, exercise-6.1, Doubt Discussion.
18 Jan to 23 Jan	Exercise-6.2, 6.3 (Theorems and examples), Doubt Discussion, Test.
25 Jan to 30 Jan	Introduction to chap-7 (Relation blw the roots and coefficients of an equations), Theorems, examples Exercise-7.1
1 Feb to 6 Feb	Exercise-7.2 (Theorems, examples), Doubt Discussion Revision of chap-1, Test
8 Feb to 13 Feb	Exercise-7.3 (Theorems, examples), Exercise-7.4 Doubt Discussion, Test., Revision of chap-2 Test
15 Feb to 20 Feb	Exercise-7.5 (Theorems, examples), Doubt Discussion, Introduction to chap-8 (Transformation of equations), Ex-8.1 (examples), Theorems.

22 Feb to 27 Feb	Exercise - 8.2 (Theorems, examples), Revision of chap-3, Doubt Discussion, Test.
1 March to 6 March	Exercise - 8.3, 8.4, Revision of chap-4 Doubt Discussion, Test.
8 March to 13 March	Introduction to chap-9 (solution of cubic & Biquadratic equations), Ex-9.1 (Cardon's method) Examples, Revision, Test
15 March to 20 March	Exercise - 9.2 (Theorems & examples) Revision of chap-5, Test.
22 March to 27 March	Exercise - 9.3 (Ferrari's method, Theorems & examples), Doubt Discussion, Test. Revision of chap-6, Tes
28 March to 31 March	Holi Break
1 April to 3 April	Test of Unit-I., Doubt Discussion.
5 April to 10 April	Introduction to ch-10 (Descarte's rule of signs), Examples, Ex-10.1, Doubt Discussion.
12 April to 16 April	Revision of remaining chapters, Doubt Discussion.

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer	Ms. Vanikta, Ms. Mohini
Class with sem	B.Sc-Ist (Int sem)
Subject/ Paper	Calculus

Week	Topics
2 Nov to 7 Nov	Introduction of ch-1 (Limits, Continuity and Derivability) and Ex-1.1 (Limit of a function)
9 Nov to 14 Nov	Ex-1.2-1.3 (Continuity and Derivability) and taking problems, test of ch-1
16 Nov to 21 Nov	Introduction of ch-2 (Successive Differentiation), Ex-2.1 - Ex-2.5 (Leibnitz's theorem and nth Derivative)
23 Nov to 28 Nov	Introduction of ch-3 (Some General Theorems on Differentiable Functions and Expansions), Ex-3.1 - Ex-3.4 (Taylor's theorem)
30 Nov to 5 Dec	Introduction of ch-4 (Asymptotes) and Ex-4.1 - Ex-4.4 (Horizontal, Vertical, Oblique, and Asymptotes of polar curves), taking doubts
7 Dec to 12 Dec	Introduction of ch-5 (Curvature) and Ex-5.1 - Ex-5.2 (Radius of Curvature for Cartesian Parametric equations)
14 Dec to 19 Dec	Ex-5.3 - Ex-5.4 (Evolute of a curve) and taking doubts and test.

21 Dec to 26 Dec	Introduction of ch-6 (Singular Points), Ex-6.1 (Types of Double Points) and taking doubts and test.
28 Dec to 2 Jan	Ex-6.2 - Ex-6.3 (Species of Cusps, Concavity and Convexity) and taking doubts and test of ch-6.
4 Jan to 9 Jan	Introduction of ch-7 (Curve tracing) Ex-7.1 to Ex-7.3 (Tracing of Curves in Cartesian, parametric and polar Co-ordinates)
11 Jan to 16 Jan	Introduction of ch-8 and Ex-8.1 to Ex-8.2 (Reduction formulae) and taking test of ch-7.
18 Jan to 23 Jan	Ex-8.3 to Ex-8.4 and taking doubts and test of ch-5.
25 Jan to 30 Jan	Ex-8.5 (Reduction formulae) and taking doubts.
1 Feb to 6 Feb	Ex-9.1 to Ex-9.2 (Rectification) and test of ch-8.
8 Feb to 13 Feb	Ex-9.3 to Ex-9.4 (Length of Polar Curves) and taking doubts.
15 Feb to 20 Feb	Introduction of ch-10, Ex-10.1 to Ex-10.2 (Quadrature, Area between two Curves)

22 Feb to 27 Feb	Ex-10.3 To Ex-10.4 (Area formula for Parametric Curves & Polar Curves) and taking doubts.
1 March to 6 March	Ex-10.5 (Area between two Polar Curves) and taking doubts and Test of Ch-10.
8 March to 13 March	Introduction of Ch-11 (Volumes and Surfaces of Solids of Revolution), Ex-11.1 and taking doubts.
15 March to 20 March	Ex-11.2 to Ex-11.4 (Axis of Revolution, Volume formula for Parametric Curves)
22 March to 27 March	Assignment on Asymptotes and taking doubts.
28 March to 31 March	Holi Break
1 April to 3 April	Ex-11.5 (Area of a Surface of Revolution). and taking doubts and test of Ch-11.
5 April to 10 April	Taking doubts of all chapters
12 April to 16 April	Taking doubts of all chapters

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer	Ms. Chananda
Class with sem	B.Sc-Int (Int Sem)
Subject/ Paper	Solid Geometry

Week	Topics
2 Nov to 7 Nov	Introduction of chapter Ist:- General Equations of second degree, types, examples, exercise 1.1, Eqn of axes of a central conic, examples, exercise 1.2, Parabola, Example exercise 1.3. Problems of exercise 1.1, 1.2, and 1.3
9 Nov to 14 Nov	General conic:- Definitions, examples, exercise 1.4 Revision of complete chapter. Sort out problems Class Test of chapter Ist
16 Nov to 21 Nov	chapter 2nd:- Tracing of conics, examples, exercise 2.1, Sort out problems, class Test of chapter 2.
23 Nov to 28 Nov	chapter 3rd:- System of conics, prepositions, examples, exercise 3.1 Revision. Problems, class Test of chapter 3rd.
30 Nov to 5 Dec	chapter 4:- Confocal conics:- Defn, Equations, theorems, examples, exercise 4.1, Revision, Sort out problems, class Test of chapter 4.
7 Dec to 12 Dec	chapter 5:- Polar equations of a conic, Articles, examples, exercise 5.1. Revision, sort out problems, class Test.
14 Dec to 19 Dec	chapter 6:- Sphere:- Defn, Articles, examples, exercise 6.1, Four pt. form, examples exercise 6.2, Plane section of sphere:- examples, exer. 6.3

21 Dec to 26 Dec	Revision of exer. 6.1, 6.2, 6.3. Sphere through a given circle, examples, exercise 6.4, Sphere and a line, examples, exercise 6.5 Revision, problems.
28 Dec to 2 Jan	Tangent Plane:- Defn, Equation, examples, exercise 6.6, Plane of contact, examples, exercise 6.7, Revision, class Test.
4 Jan to 9 Jan	Angle of Intersection of two spheres:- examples exercise 6.8, Radical Plane :- examples, exercise 6.9, Sort out problems, Revision.
11 Jan to 16 Jan	Class Test of chapter 6, Chapter 7:- Cone:- Defn Eqn examples, exercise 7.1, examples, exercise 7.2 Sort out problems, Revision.
18 Jan to 23 Jan	Right circular Cone:- theorems, examples, exercise 7.3, Theorems, examples, exercise 7.4 Revision.
25 Jan to 30 Jan	Tangent cone:- Eqn, examples, exercise 7.5, cone and a line:- Examples, exercise 7.6 Revision, Sort out problems.
1 Feb to 6 Feb	Angle between two lines:- examples, exercise 7.7 examples, exercise 7.8, Revision. Sort out problem, class Test.
8 Feb to 13 Feb	chapter 8:- Cylinder:- Defn, examples, exercise 8.1, Right circular cylinder, examples, exercise 8.2, Enveloping cylinder, examples, exercise 8.3. Revision. Sort out problems.
15 Feb to 20 Feb	chapter 8th Test, Chapter 9:- The Conicoid:- Defn examples, exercise 9.1 Director circle;- Eqn examples, exercise 9.2, Revision.

22 Feb to 27 Feb	Polar plane of a point:- Eq^n, examples, exercise 9.4 Plane section:- Eq^n, examples, exercise 9.5 Paraboloid:- Eq^n, examples, exercise 9.6. Sort out problems.
1 March to 6 March	Examples, exercise 9.7. Revision, Sort out problems. class Test of chapter 9.
8 March to 13 March	chapter 10:- Plane sections of conicoid:- Def^n eq^n, examples, exercise 10.1. Axes of Non-central Plane section:- examples. exercise 10.2. Sort out prob
15 March to 20 March	circular section:- examples, exercise 10.3, examples exercise 10.4, Revision. Sort out problems. class Test of chapter 10.
22 March to 27 March	chapter 11:- Generating lines:- Eq^n, examples, exercise 11.1, examples, exercise 11.2. Revision class Test.
28 March to 31 March	Holi Break
1 April to 3 April	chapter 12:- Confocal conicoids:- Def^n, examples, exercise 12.1, examples, exercise 12.2. Revision.
5 April to 10 April	class Test of chapter 12, chapter 13:- Reduction of second degree eq^n:- examples, exercise 13.1, examples, exercise 13.2, examples, exercise 13.3 exer 13.4 and 13.5.
12 April to 16 April	Revision of complete syllabus, sort out problems. class Test.

PG - Lesson Plan 2020- 2021

Lecturer :	Ms. ANJU RANI
Class with sem :	B.Sc. IInd / B.A. IInd (III Semester)
Subject / Paper :-	ADVANCED CALCULUS

Week	Topics
5oct to 10oct	Introduction of chapter-1 Continuous Functions and Exercise 1.1 and 1.2
12oct to 17oct	
19oct to 24oct	
26oct to 31oct	
2nov to 7nov	
9nov to 14nov	
16nov to 21 nov	
23 nov to 28 nov	
30 nov to 5 dec	
7 dec to 12 dec	
14 dec to 19 dec	CHAPTER-5 Partial Differentiation Taking Problems
21 dec to 26 dec	Test of chapter-1 Introduction of
28 deec to 2 jan	Chapter-2 The derivative and mean value theorem. Ex. 2.1 and 2.2

4 jan to 9 jan	taking problems Ex. 2.1 and 2.2
11 jan to 16 jan	Ex. 2.3, 2.4, 2.5 (Taylor's theorem)
18 jan to 23jan	Introduction of chapter 3 (Indeterminate
25 jan to 30 jan	form), Ex- 3.1, 3.2, 3.3 Problems
1 feb to 6 fab	Chapter - 4 Limit and continuity
8feb to 13 feb	of two variables. Test Problems
15 feb to 20 feb	CHAPTER-6 Problems, Example, Test
22 feb to 27 feb	CH-7 (Maximum and minimum of function of
1 march to 6 march	two variables
8 march to 13 march	CH-8 Curves in Space & Problems
15 march to 20 march	CH-9 & CH-10 Taking Problems
22 march to 26 march	CH-11 & CH-8 Taking Problems, Test
27 march to 31 march	Taking Problems
1 april to 3 april	Holi Break
5 april to 10 april	

Lesson Plan from October - 2020 to March - 2021

Lecturer :	Chananda Sharma
Class with sem :	B.A. II (Third Semester) / B.Sc - IInd (3rd sem)
Subject / Paper :-	Partial Differential Equations

Week	Topics
22 Oct to 24 Oct	Partial Differential equations : Formation, order and degree, Exercise 1.1 and 1.2.
26 Oct to 31 Oct	First order Linear Partial Differential Equations, Exercise 2.1
2 Nov to 7 Nov	Test and Revision of Chapter 1 and 2
9 Nov to 14 Nov	First order Non Linear Partial Differential Equations, General methods of solution, Jacobi's Method, Exercise 3.1, 3.2 and 3.3
16 Nov to 21 Nov	Test and Revision of Chapter 3
23 Nov to 28 Nov	Linear Partial Differential Equations of second order, Exercise 4.1
30 Nov to 5 Dec	Solution of non-homogeneous Linear Partial Differential Equations, Exercise 4.2
7 Dec to 12 Dec	Test and Revision of Chapter 4
14 Dec to 19 Dec	Partial Differential Equations with variable coefficients Reducible to equations with constant coefficients, Exercise 5.1
21 Dec to 26 Dec	Test and Revision of Chapter 5

28 Dec to 2 Jan	Assignment of Chapter 1 and 2, Test of Unit 1 and 2.
4 Jan to 9 Jan	Classification and Canonical Forms of second order linear P.D.E., Exercise 6.1 and 6.2
11 Jan to 16 Jan	Reduction of Parabolic Equation to the canonical form, Exercise 6.3, 6.4 and 6.5
18 Jan to 23 Jan	Test and Revision of Chapter 6
25 Jan to 30 Jan	Characteristics of Second Order Partial Differential Equations and Cauchy's Problem Exercise 7.1 and 7.2
1 Feb to 6 Feb	Test and Revision of Chapter 7,
8 Feb to 13 Feb	Monge's Methods for Partial Differential Equations of Second order Exercise 8.1 and 8.2
15 Feb to 20 Feb	Wave Equations, Heat Equations, Laplace Equations and Method of Separation of variables Exercise 9.1
22 Feb to 27 Feb	Solution of One dimensional and two dimensional Heat equation and Laplace Equation, Exercise 9.2 and 9.3
1 Mar to 6 Mar	Test and Revision of Chapter 8 and 9
8 Mar to 13 Mar	Assignment of Chapter 9, Test of Unit 3 and 4
15 Mar to 20 Mar	Test of Unit 1, 2, 3 and 4.

UG-Lesson Plan from oct 2020 to March 2021

Lecturer	Dr. Seema
Class with sem	B.Sc / B.A II Semester - III
Subject/ Paper	Statics

Week	Topics
5 Oct -10 Oct	Introduction to statics with preliminaries. Introducing force Acting at a point. Ex. 1.1 example and Basic. Complete Ex. 1.1.
12 Oct - 17 Oct	Discussion of Basic and taking related Problem. Example of Ex. 1.2 and Exercise. Ex. 1.3, 1.4, 1.5, 1.6 and 1.7 and their resp. Exercise.
19 Oct - 24 Oct	Discussion of problem chapter 1. Introduction of parallel forces. Ex. 2.1 example. Problem based on Ex. 2.1.
26 Oct -31 Oct	Test of chapter 1 up to 1.4. Introduction of Moments. Some Basic definitio Example of Ex. 3.1 and 3.2.
2 Nov - 7 Nov	Problem based on Ex. 3.1 and 3.2. Example of Ex. 1.3 and their problem. Problem discussion.
9 Nov - 14 Nov	Test of chapter 1 from 1.5 to 1.7 Ex. Definition of couples Example of Ex. 4.1 and 4.2.
16 Nov - 21 Nov	Problem related to Example of 4.1 and 4.2 and Ex. 4.1 and 4.2.

23 Nov - 28 Nov	Introduction to analytical conditions of equilibrium of co-planar forces. Example based on Ex. 5.1, 5.2.
30 Nov - 5 Dec	Problem Discussion based on Ex. 5.1 and 5.2. Test - chapter-2.
7 Dec - 12 Dec	Problem Discussion. Introduction of friction. Example based on Ex. 6.1 and 6.2.
14 Dec - 19 Dec	Exercise 6.1 and 6.2. Problem related to friction.
21 Dec - 26 Dec	Introduction of centre of gravity. Some Basic definition. Example of Ex. 7.1 and 7.2.
28 Dec - 2 Jan	Problem Discussion of centre of gravity.
4 Jan - 9 Jan	Introduction of virtual work. Some Theorem based on virtual work.
11 Jan - 16 Jan	Principle of virtual work. and theorem.
18 Jan -23 Jan	Example of virtual work and Exercise. and their problem.

25 Jan - 30 Jan	Some Basic definition of forces in three dimension. ·Theorem based on it. Example and Ex. 9.1.
1 Feb - 6 Feb	and their related problem Discussion.
8 Feb - 13 Feb	Test. Introduction of wRench. Definition and theorem and Ex.
15 Feb - 20 Feb	Problem Discussion. Definition of Null lines and Null planes and Ex. based on it.
22 Feb - 27 Feb	Problem Discussion. Test.
1 Mar - 6 Mar	Some Definition based on stable, unstable and neutral equilibrium.
8 Mar - 13 Mar	Problem Discussion. Test.
15 Mar - 20 Mar	Test series.

Lesson Plan from October - 2020 to March - 2021

Lecturer :	Ms. Mohini, Ms. Sunita)
Class with sem :	B.A-III / B.Sc-III (Sem-V)
Subject / Paper :-	Mathematics (Real Analysis)

Week	Topics
22 Oct to 24 Oct	Preliminaries and introduction to Riemann Integral
26 Oct to 31 Oct	Theorems of Riemann Integral and Completion of Exercise 1.1
2 Nov to 7 Nov	Darboux's Theorem, Integrability of continuous functions and Integrability of Monotonic Functions Completion of Exercise 1.2
9 Nov to 14 Nov	Properties of Riemann Integral and completion of Exercise 1.3
16 Nov to 21 Nov	Improper Integrals, their convergence and Completion of Exercise 2.1, Test of chapter-01
23 Nov to 28 Nov	Comparison test for convergence, Completion of Exercise 2.2 to 2.5
30 Nov to 5 Dec	Integral as a function of a parameter and completion of Exercise 3.1
7 Dec to 12 Dec	Metric space introduction, Theorems and Completion of Exercise - 4.1
14 Dec to 19 Dec	Test of chapter-02, introduction of chapter-05
21 Dec to 26 Dec	Open sphere, closed sphere, interior points, neighborhood of a point, interior of a set.

28 Dec to 2 Jan	Test of chapter-03, open set and all its theorem, Adherent points, Limit point
4 Jan to 9 Jan	Closed set and all its Theorems and Completion of Exercise-5.1
11 Jan to 16 Jan	Revision and test of chapter-02, Cantor's intersection theorem, second category space.
18 Jan to 23 Jan	Completion of Exercise-6.1, Test of chapter-04
25 Jan to 30 Jan	Continuous function and theorems related to it
1 Feb to 6 Feb	Uniform continuity, Isometry and its theorems and completion of Exercise-7.1
8 Feb to 13 Feb	Cover, Compact set and compact metric space Bolzano Weierstrass Property and its theorem
15 Feb to 20 Feb	Assignment on metric space, Revision and test of chapter 4, Finite intersection property
22 Feb to 27 Feb	Total boundedness, theorem of continuity and compactness and completion of Exercise-8.1
1 Mar to 6 Mar	Revision of chapter-6, 7, introduced connectedness in metric space,
8 Mar to 13 Mar	Theorems and completion of Exercise-9.1
15 Mar to 20 Mar	Revision of all book.

Lesson Plan from October - 2020 to March - 2021

Lecturer :	Ms. Mohini
Class with sem :	B.Sc - 3rd (5th sem)
Subject / Paper :-	Numerical Analysis

Week	Topics
22 Oct to 24 Oct	Introduction of Ch-1 (Finite Difference operators), Ex-1.1 (Forward differences, Backward Differences, Operator E).
26 Oct to 31 Oct	Ex-1.2 (Effect of an error in a tabular Value, One or More missing terms).
2 Nov to 7 Nov	Introduction of Ch-2 (Interpolation with Equal Intervals), taking doubts
9 Nov to 14 Nov	Ex-2.1 (Newton-Gregory formula for forward Interpolation and backward interpolation).
16 Nov to 21 Nov	Ex-2.2 (Sub-division of Intervals) and taking doubts and Test of ch-1.
23 Nov to 28 Nov	Introduction of Ch-3 (Interpolation with unequal intervals), Ex-3.1 (Divided Differences).
30 Nov to 5 Dec	Ex-3.1 to Ex-3.2 (lagranges Interpolation formula).
7 Dec to 12 Dec	Introduction of Ch-4 (Central Difference interpolation formulae) and taking doubts and test of Ch-1
14 Dec to 19 Dec	Ex-4.1 (Gauss Forward Interpolation formula, Gauss Backward Interpolation formula, Sterling formula, Bessel's formula)
21 Dec to 26 Dec	Introduction of Ch-5 (Probability Distributions) and taking doubts and test of ch-2.

28 Dec to 2 Jan	Ex-5.1 to Ex-5.2 (Discrete and continuous Random Variable, Binomial Distribution)
4 Jan to 9 Jan	Ex-5.3 (Poisson Distribution) and taking doubts and Test of Ch-4
11 Jan to 16 Jan	Ex-5.4 (Normal Distribution) and taking doubts.
18 Jan to 23 Jan	Introduction of Ch-6 (Numerical Differentiation), Ex-6.1 (Formulae for Derivatives)
25 Jan to 30 Jan	Introduction of Ch-7 (Eigen Value Problems), Ex-7.1 (Power Method, Given Method, House-Holder's Method)
1 Feb to 6 Feb	Introduction of Ch-8 (Numerical Integration), Taking doubts and test of Ch-5
8 Feb to 13 Feb	Ex-8.1 (Newton-Cotes Quadrature formula, Trapezoidal Rule, Simpson's One-third Rule)
15 Feb to 20 Feb	Introduction of Ch-9 (Numerical Solution of Ordinary Differential Equations) and taking doubts
22 Feb to 27 Feb	Ex-9.1 (Euler's Method, Modified Euler's Method) and taking doubts and test of Ch-6
1 Mar to 6 Mar	Ex-9.2 (Runge-Kutta Method, Picard's Method) and taking doubts and test of Ch-7
8 Mar to 13 Mar	Ex-9.3 (Milne-Simpson's Method, Adams-Bashforth Method) and test of Ch-8.
15 Mar to 20 Mar	Taking doubts of all chapters.

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer	Mr. MOHINI
Class with sem	B.A-Int (Ist sem)
Subject/ Paper	ALGEBRA

Week	Topics
2 Nov to 7 Nov	Introduction to Chap-I (Matrices), Definitions, Theorems Examples of Ex-1.1, Exercise que, Doubt Discussion
9 Nov to 14 Nov	Exercise-1.2 (symmetric and skew symmetric Matrix) Theorems and examples, Hermitian Matrix & Skew-Hermitian Matrix, Examples, Ques, Doubt Dis.
16 Nov to 21 Nov	Introduction to Ch-2 (Rank of a Matrix) Exercise-2.1, Elementary operations, Examples, Equivalent Matrix, Row-column equivalent Echelon Matrix
23 Nov to 28 Nov	Examples of Echelon form, Normal forms, examples, Theorems, examples, Inverse of a Matrix
30 Nov to 5 Dec	Induction to 2.4 (Linear Dependence and Independence of row and column matrices, Theorems, Exercise 2.4 Doubt Discussion.
7 Dec to 12 Dec	Introduction to Ch-3, Examples, Ex-3.1, Cayley-Hamilton Theorem, examples, Doubt Discussion, Test
14 Dec to 19 Dec	Exercise - 3.2, 3.3, Theorems, examples, Test

21 Dec to 26 Dec	Introduction to ch-4 (Applications of matrices to a system of linear equations) Theorems, Ex-4.1 examples
28 Dec to 2 Jan	Exercise-4.2 (examples, Ques), Doubt Discussion, Test.
4 Jan to 9 Jan	Introduction to chap-5 (orthogonal and Unitary matrices), Theorems, examples, questions, Doubt Discussion, Test
11 Jan to 16 Jan	Introduction to chap-6 (Bilinear and Quadratic forms), Theorems, Examples, exercise-6.1, Doubt Discussion.
18 Jan to 23 Jan	Exercise-6.2, 6.3 (Theorems and examples), Doubt Discussion, Test.
25 Jan to 30 Jan	Introduction to chap-7 (Relation blw the roots and coefficients of an equation), Theorems, examples Exercise-7.1
1 Feb to 6 Feb	Exercise-7.2 (Theorems, examples), Doubt Discussion Revision of chap-1, Test
8 Feb to 13 Feb	Exercise-7.3 (Theorems, examples), Exercise-7.4 Doubt Discussion, Test., Revision of chap-2 Test
15 Feb to 20 Feb	Exercise-7.5 (Theorems, examples), Doubt Discussion, Introduction to chap-8 (Transformation of equations), Ex-8.1 (examples), Theorems.

22 Feb to 27 Feb	Exercise – 8.2 (Theorems, examples), Revision of chap-3, Doubt Discussion, Test.
1 March to 6 March	Exercise – 8.3, 8.4, Revision of chap-4 Doubt Discussion, Test.
8 March to 13 March	Introduction to chap-9 (solution of cubic & Biquadratic equations), Ex-9.1 (Cardon's method) Examples, Revision, Test
15 March to 20 March	Exercise – 9.2 (Theorems & examples) Revision of chap-5, Test.
22 March to 27 March	Exercise – 9.3 (Ferrari's method, Theorems & examples), Doubt Discussion, Test. Revision of chap-6, Tes
28 March to 31 March	Holi Break
1 April to 3 April	Test of Unit-I., Doubt Discussion.
5 April to 10 April	Introduction to ch-10 (Descarte's rule of signs), Examples, Ex-10.1, Doubt Discussion.
12 April to 16 April	Revision of remaining chapter, Doubt Discussion.

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer	Ms. Vankita, Ms. Mr. Prashitha
Class with sem	B.A - Ist (Ist sem)
Subject/ Paper	Calculus

Week	Topics
2 Nov to 7 Nov	Introduction of ch-1 (Limits, Continuity and Derivability) and Ex- 1.1 (Limit of a function)
9 Nov to 14 Nov	Ex- 1.2 - 1.3 (Continuity and Derivability) and taking problems, test of ch-1
16 Nov to 21 Nov	Introduction of ch-2 (Successive Differentiation), Ex-2.1 - Ex-2.5 (Leibnitz's theorem and nth Derivative)
23 Nov to 28 Nov	Introduction of ch-3 (Some General Theorems on Differentiable Functions and Expansions), Ex - 3.1 - Ex - 3.4 (Taylor's theorem)
30 Nov to 5 Dec	Introduction of ch-4 (Asymptotes) and Ex-4.1 - Ex-4.4 (Horizontal, Vertical, Oblique, and Asymptotes of polar curves), taking doubts
7 Dec to 12 Dec	Introduction of ch-5 (Curvature) and Ex- 5.1 - Ex- 5.2 (Radius of Curvature for Cartesian Parametric equations)
14 Dec to 19 Dec	Ex - 5.3 - Ex-5.4 (Evolute of a curve) and taking doubts and test.

21 Dec to 26 Dec	Introduction of ch-6 (Singular Points), Ex-6.1 (Types of Double Points) and taking doubts and test.
28 Dec to 2 Jan	Ex-6.2 - Ex-6.3 (Species of Cusps, Concavity and Convexity) and taking doubts and test of ch-6.
4 Jan to 9 Jan	Introduction of ch-7 (Curve Tracing) Ex-7.1 to Ex-7.3 (Tracing of Curves in Cartesian, parametric and polar Co-ordinates)
11 Jan to 16 Jan	Introduction of ch-8 and Ex-8.1 to Ex-8.2 (Reduction formulae) and taking test of ch-7.
18 Jan to 23 Jan	Ex-8.3 to Ex-8.4 and taking doubts and test of ch-5.
25 Jan to 30 Jan	Ex-8.5 (Reduction formulae) and taking doubts.
1 Feb to 6 Feb	Ex-9.1 to Ex-9.2 (Rectification) and test of ch-8.
8 Feb to 13 Feb	Ex-9.3 to Ex-9.4 (Length of Polar Curves) and taking doubts.
15 Feb to 20 Feb	Introduction of ch-10, Ex-10.1 to Ex-10.2 (Quadrature, Area between two Curves)

22 Feb to 27 Feb	Ex-10.3 to Ex-10.4 (Area formula for Parametric Curves & Polar Curves) and taking doubts.
1 March to 6 March	Ex-10.5 (Area between two Polar Curves) and taking doubts and Test of Ch-10.
8 March to 13 March	Introduction of Ch-11 (Volumes and Surfaces of Solids of Revolution), Ex-11.1 and taking doubts.
15 March to 20 March	Ex-11.2 to Ex-11.4 (Axis of Revolution, Volume Formula for Parametric Curves)
22 March to 27 March	Assignment on Asymptotes and taking doubts.
28 March to 31 March	Holi Break
1 April to 3 April	Ex-11.5 (Area of a Surface of Revolution). and taking doubts and test of Ch-11.
5 April to 10 April	Taking doubts of all chapters
12 April to 16 April	Taking doubts of all chapters

UG-Lesson Plan from Nov 2020 to April 2021

Lecturer	H. Mohini,
Class with sem	B.A-Ist (Ist sem)
Subject/ Paper	Solid Geometry

Week	Topics
2 Nov to 7 Nov	Introduction of chapter Ist:- General Equations of second degree, types, examples, exercise 1.1, Eqn of axes of a central conic, examples, exercise 1.2, Parabola, Example exercise 1.3. Problems of exercise 1.1, 1.2, and 1.3
9 Nov to 14 Nov	General conic:- Definitions, examples, exercise 1.4 Revision of complete chapter. Sort out problems Class Test of chapter Ist.
16 Nov to 21 Nov	chapter 2nd:- Tracing of conics, examples, exercise 2.1, Sort out problems, class Test of chapter 2.
23 Nov to 28 Nov	chapter 3rd:- System of conics, prepositions, examples, exercise 3.1 Revision. Problems, class Test of chapter 3rd.
30 Nov to 5 Dec	chapter 4:- Confocal conics:- Defn, Equations, theorems, examples, exercise 4.1, Revision, Sort out problems, class Test of chapter 4.
7 Dec to 12 Dec	chapter 5:- Polar equations of a conic, Articles, examples, exercise 5.1. Revision, sort out problems, class Test.
14 Dec to 19 Dec	chapter 6:- Sphere:- Defn, Articles, examples, exercise 6.1, four pt. form, examples exercise 6.2, Plane section of sphere:- examples, exer. 6.3

21 Dec to 26 Dec	Revision of exer. 6.1, 6.2, 6.3. Sphere through a given circle, examples, exercise 6.4, Sphere and a line, examples, exercise 6.5 Revision, problems.
28 Dec to 2 Jan	Tangent Plane:- Defn, Equation, examples, exercise 6.6, Plane of contact, examples, exercise 6.7, Revision, class Test.
4 Jan to 9 Jan	Angle of Intersection of two spheres:- examples exercise 6.8, Radical Plane :- examples, exercise 6.9, Sort out problems, Revision.
11 Jan to 16 Jan	Class Test of chapter 6, Chapter 7:- Cone:- Defn Eqn examples, exercise 7.1, examples, exercise 7.2 Sort out problems, Revision.
18 Jan to 23 Jan	Right circular Cone:- theorems, examples, exercise 7.3, Theorems, examples, exercise 7.4 Revision.
25 Jan to 30 Jan	Tangent cone:- Eqn, examples, exercise 7.5, cone and a line:- Examples, exercise 7.6 Revision, Sort out problems.
1 Feb to 6 Feb	Angle between two lines:- examples, exercise 7.7 examples, exercise 7.8, Revision. Sort out problem, class Test.
8 Feb to 13 Feb	chapter 8:- Cylinder:- Defn, examples, exercise 8.1, Right circular cylinder, examples, exercise 8.2, Enveloping cylinder, examples, exercise 8.3. Revision. Sort out problems.
15 Feb to 20 Feb	chapter 8th Test, Chapter 9:- The Conicoid:- Def examples, exercise 9.1 Director circle;- Eqn examples, exercise 9.2, Revision.

22 Feb to 27 Feb	Polar plane of a point:- Eqn, examples, exercise 9.4 Plane section:- Eqn, examples, exercise 9.5 Paraboloid:- Eqn, examples, exercise 9.6. Sort out problems.
1 March to 6 March	Examples, exercise 9.7. Revision, Sort out problems. class Test of chapter 9th.
8 March to 13 March	chapter 10:- Plane sections of conicoid:- Defn eqn, examples, exercise 10.1. Axes of Non-central Plane section:- examples. exercise 10.2. Sort out prob
15 March to 20 March	circular section:- examples, exercise 10.3, examples exercise 10.4, Revision. Sort out problems. class Test of chapter 10.
22 March to 27 March	chapter 11:- Generating lines: Eqn, examples, exercise 11.1, examples, exercise 11.2. Revision class Test.
28 March to 31 March	~~after~~ Holi Break
1 April to 3 April	chapter 12:- Confocal conicoids:- Defn, examples, exercise 12.1, examples, exercise 12.2. Revision.
5 April to 10 April	class Test of chapter 12, chapter 13:- Reduction of second degree eqn:- examples, exercise 13.1, examples, exercise 13.2, examples, exercise 13.3 exer 13.4 and 13.5.
12 April to 16 April	Revision of complete syllabus, sort out problems. class Test.

Lesson Plan from October - 2020 to March - 2021

Lecturer :	Chananda Sharma
Class with sem :	B.A. II (Third Semester)
Subject / Paper :-	Partial Differential Equations

Week	Topics
22 Oct to 24 Oct	Partial Differential equations : Formation, order and degree, Exercise 1.1 and 1.2.
26 Oct to 31 Oct	First order Linear Partial Differential Equations, Exercise 2.1
2 Nov to 7 Nov	Test and Revision of Chapter 1 and 2
9 Nov to 14 Nov	First order Non Linear Partial Differential Equations, General methods of solution, Jacobi's Method, Exercise 3.1, 3.2 and 3.3
16 Nov to 21 Nov	Test and Revision of Chapter 3
23 Nov to 28 Nov	Linear Partial Differential Equations of second order, Exercise 4.1
30 Nov to 5 Dec	Solution of non-homogeneous Linear Partial Differential Equations, Exercise 4.2
7 Dec to 12 Dec	Test and Revision of Chapter 4
14 Dec to 19 Dec	Partial Differential Equations with variable coefficients Reducible to equations with constant coefficients, Exercise 5.1
21 Dec to 26 Dec	Test and Revision of Chapter 5

28 Dec to 2 Jan	Assignment of Chapter 1 and 2, Test of Unit 1 and 2.
4 Jan to 9 Jan	Classification and Canonical Forms of second order linear P.D.E., Exercise 6.1 and 6.2
11 Jan to 16 Jan	Reduction of Parabolic Equation to the canonical form, Exercise 6.3, 6.4 and 6.5
18 Jan to 23 Jan	Test and Revision of Chapter 6
25 Jan to 30 Jan	Characteristics of Second Order Partial Differential Equations and Cauchy's Problem Exercise 7.1 and 7.2
1 Feb to 6 Feb	Test and Revision of Chapter 7,
8 Feb to 13 Feb	Monge's Methods for Partial Differential Equations of Second order Exercise 8.1 and 8.2
15 Feb to 20 Feb	Wave Equations, Heat Equations, Laplace Equations and Method of Separation of variables Exercise 9.1
22 Feb to 27 Feb	Solution of One dimensional and two dimensional Heat equation and Laplace Equation, Exercise 9.2 and 9.3
1 Mar to 6 Mar	Test and Revision of Chapter 8 and 9
8 Mar to 13 Mar	Assignment of Chapter 9, Test of Unit 3 and 4
15 Mar to 20 Mar	Test of Unit 1, 2, 3 and 4.

Lesson Plan from October - 2020 to March - 2021

Lecturer :	Ms. Vankita
Class with sem :	B.A - 3rd (5th sem)
Subject / Paper :-	Numerical Analysis

Week	Topics
22 Oct to 24 Oct	Introduction of Ch-1 (Finite Differere operators), Ex-1.1 (Forward differeres, Backward Differences, Operator E).
26 Oct to 31 Oct	Ex-1.2 (Effect of an error in a tabular Value, One or More missing terms).
2 Nov to 7 Nov	Introduction of Ch-2 (Interpolation with Equal Intervals), taking doubts
9 Nov to 14 Nov	Ex-2.1 (Newton-Gregory formula for forward Interpolation and backward interpolation).
16 Nov to 21 Nov	Ex-2.2 (Sub-division of Intervals) and taking doubts and test of ch-1.
23 Nov to 28 Nov	Introduction of Ch-3 (Interplolation with unequal intervals), Ex-3.1 (Divided Differences).
30 Nov to 5 Dec	Ex-3.1 to Ex-3.2 (Lagranges Interpolation formula).
7 Dec to 12 Dec	Introduction of Ch-4 (Central Difference interpolation formulae) and taking doubs and test of Ch-1.
14 Dec to 19 Dec	Ex-4.1 (Gauss Forward Interpolation formula, Gauss Backward Interpolation Formula, Sterling formula, Bessel's formula)
21 Dec to 26 Dec	Introduction of Ch-5 (Probability Distributions) and taking doubts and test of Ch-2.

28 Dec to 2 Jan	Ex-5.1 to Ex-5.2 (Discrete and continuous Random Variable, Binomial Distribution)
4 Jan to 9 Jan	Ex-5.3 (Poisson Distribution) and taking doubts and Test of Ch-4
11 Jan to 16 Jan	Ex-5.4 (Normal Distribution) and taking doubts.
18 Jan to 23 Jan	Introduction of Ch-6 (Numerical Differentiation), Ex-6.1 (Formulae for Derivatives)
25 Jan to 30 Jan	Introduction of Ch-7 (Eigen Value Problems), Ex-7.1 (Power Method, Given Method, House-Holder's Method)
1 Feb to 6 Feb	Introduction of Ch-8 (Numerical Integration), Taking doubts and test of Ch-5
8 Feb to 13 Feb	Ex-8.1 (Newton-Cotes Quadrature formula, Trapezoidal Rule, Simpson's One-third Rule)
15 Feb to 20 Feb	Introduction of Ch-9 (Numerical Solution of Ordinary Differential Equations) and taking doubts
22 Feb to 27 Feb	Ex-9.1 (Euler's Method, Modified Euler's Method) and taking doubts and test of Ch-6
1 Mar to 6 Mar	Ex-9.2 (Runge-Kutta Method, Picard's Method) and taking doubts and test of Ch-7
8 Mar to 13 Mar	Ex-9.3 (Milne-Simpson's Method, Adams-Bashforth Method) and test of Ch-8.
15 Mar to 20 Mar	Taking doubts of all chapters.

UG - Lesson Plan from october - 2020 to March - 2021

Lecturer :	Ms. Dipti, Ms. Prabhabha
Class with sem :	B.A IIIrd (V sem) / B.Sc - IIIrd (5th sem)
Subject / Paper :-	Group & Rings

Week	Topics
5 oct to 10 oct	
12 oct to 17 oct.	
19 oct to 24 oct	Definition of Group & Examples, Ex 1.1 Complete
26 oct to 31 oct	Theorems and Examples of Ex 1.2 Exercise 1.2 Complete Revision 1.1 & 1.2
02 nov to 7 nov	Examples & Theorems of Ex 1.3 . Exercise 1.3 Complete
09 nov to 14 Nov	Examples & Theorems of 1.4 . Exercise 1.4 Complete Exercise & Examples of 2.1 Complete
16 nov to 21 nov	Exercise 2.2 Complete . Theorem & Examples of 2.3 Complete . Ex 2.3 Complete . Taking doubts

23 nov to 28 nov	Theorems & Examples of 3-1, Exercise 3-1 Complete. Automorphism of Cyclic group. Centre of group - Normalizer
30 nov to 5 Dec	Theorems & Examples of 3.3. Exercise 3.1 Complete. Permutation group. Some definitions & Examples of Permutation group
7 Dec to 12 Dec	Cayley Theorem. Ex 4.1 Complete. Taking doubts. Test Chapter 1 & 2
14 Dec to 19 Dec	Definition of Ring. Some Examples of Ring, Define field & Theorems Ex 5.1 Complete.
21 Dec to 26 Dec	Subrings. Theorems, Centre of a Ring & Ex. 5.2 Complete. Taking Revision & doubts.
28 Dec to 2 Jan	Definition of ideal, sum of two ideals, Product of two Ideals & Theorems of Ideals, Principal ideal, Maximal Ideal, Prime ideal & Theorems
4 Jan to 9 Jan	Examples & Theorems of 6.1. Exercise 6.1 Complete. Test of Chapter 3
11 jan to 16 jan	Definition of Ring Homomorphism, Kernel of a Ring Homomorphism. Theorems fundamental Theorem of Homomorphism.
18 jan to 23 Jan	First Then of Isomorphism. Second Th of Isomorphism. Embedding of Rings. Examples of 7.1
25 jan to 30 Jan	Exercise 7.1 complete. Definition of Divisibility in a Commutative Ring, Gaussian Integer. Some Theorem of 8.1,

1 Feb to 6 Feb	Euclidean Ring, Examples. Principal Ideal domain. Theorems of 8.1
8 Feb 13 Feb	Exercise 8.1 Complete. Definition of polynomial Rings. Embedding of R into R[x]
15 Feb to 20 Feb	Polynomials over an Integral domain Some Theorems of Polynomial Ring Remainder Theorem. Factor theorem.
22 Feb 27 Feb	Unique factorization Domain, Primitive Polynomial. Irreducible polynomial, Gauss Lemma.
1 March to 6 March	Eisenstein's Irreducibility Criterion. Some Theorems & Examples of 9.1
8 March to 13 March	
15 MArch to 20 March	

Lesson Plan from November - 2021 to March - 2022
PG - I Year (1st Sem)

Lecturer :	Dibti
Class with sem :	MSC Ist [Ist sem]
Subject / Paper :-	Mechanics

Week	Topics
12 Nov to 13 Nov	Introduction of Moments and Products of Inertia. Theorem of parallel axes
15 Nov to 20 Nov	Theorem of perpendicular axes, Angular Momentum of a rigid body about a fixed pt. and about a fixed axes
22 Nov to 27 Nov	Principal axes, Kinetic energy of a rigid body rotating about a fixed pt. Momental ellipsoid - Equimomental Systems
29 Nov to 4 Dec	Coplanar distribution, Euler's dynamical eq^n for the motion of a rigid body about a fixed pt. Taking Examples
06 Dec to 11 Dec	Further properties of Rigid body motion under no forces. Contents Unit-2 Unit-3 start Constrained Coordinates
13 Dec to 18 Dec	Holonomic and non-holonomic Systems Scleronomic and Rheonomic Systems Lagrange's eq^n for a Simple holonomic dynamical System, Lagrange's eq^n for Conservative and Potential fields
19 Dec to 26 Dec	Winter Vacations
27 Dec to 1 Jan	Kinetic energy as a quadratic function of velocities, Generalized potential, Energy eq^n for Conservative fields, Hamilton's Canonical Variables
3 Jan to 8 Jan	Donkin's Theorem, Hamilton Canonical equations, Cyclic co-ordinates, Routh's Procedure, Taking examples
10 Jan to 15 Jan	Unit-3 Start - Define Poisson Bracket, Poisson's Identity, Jacobi-Poisson Theorem, Hamilton's Principle, Principle of Least action

17 Jan to 22 Jan	Poincare Cartan Integral Invariant Whittaker's eq^n's. Jacobi's eq^n's. Hamilton-Jacobi equation. Jacobi Theorem (Theorem)
24 Jan to 29 Jan	Method of Separation of variables. Lagrange Brackets, Canonical Transformations Condition of Canonical character of a transformation in terms of Lagrange & Poisson brackets
31 Jan to 5 Feb	Invariance of Lagrange and Poisson brackets under canonical transformations Unit-3 complete
7 Feb to 12 Feb	Taking doubts Test Unit-1, Unit-4 Start. Introduction of Gravitation.
14 Feb to 19 Feb	Attraction and Potential of rod, disc spherical shells and sphere. Laplace and Poisson equations.
21 Feb to 26 Feb	Work done by Self-attracting Systems, Distribution for a given potential
28 Feb to 5 March	Equipotential Surfaces, Surface and Solid harmonics. Taking doubts.
7 March to 12 March	Surface density in terms of Surface harmonics. Taking doubts Unit-4 Complete.
14 March to 20 March	Holi Vacations
21 March to 26 March	Assignment Unit-2 & Taking Test Unit-2
28 March to 2 April	Taking doubts

Lesson Plan from November - 2021 to March - 2022
PG - I Year (1st Sem)

Lecturer :	Dr. Seema Rani
Class with sem :	M.Sc, I-Sem
Subject / Paper :-	Real Analysis

Week	Topics
12 Nov to 13 Nov	Introduction to Real Analysis with some Basic definition. R-S integral of its Properties.
15 Nov to 20 Nov	Integration and Differentiation, The fundamental theorem of calculus.
22 Nov to 27 Nov	Problem & Test integration of vector valued function.
29 Nov to 4 Dec	Rectifiable curves Revision & Problem discussion.
06 Dec to 11 Dec	Sequences & Series of function, Point wise & uniform convergence.
13 Dec to 18 Dec	Test for uniform convergence. M-test, Abel's & Dirichlet test.
19 Dec to 26 Dec	Winter Vacations
27 Dec to 1 Jan	Test, uniform convergence & continuity. R-S integration, U.C & Differentiation.
3 Jan to 8 Jan	Theorem based on R-S & U.C. weierstrass approximation theorem.
10 Jan to 15 Jan	Power series, uniqueness theorem Abels theorem.

17 Jan to 22 Jan	function of several variables. Linear transformation, Derivatives in R^n
24 Jan to 29 Jan	Problems discussion & Test. Taylor's theorem, Inverse function
31 Jan to 5 Feb	Implicit function theorem. Jacobian, extremum problem with constraints.
7 Feb to 12 Feb	Lagrange's multiplier method. Problem discussion
14 Feb to 19 Feb	Set function, intuitive idea of measure and its Properties.
21 Feb to 26 Feb	Measurable sets and their fundamental properties.
28 Feb to 5 March	Lebesgue measure of set of real number, Borel set, open, closed F_σ & G_δ set
7 March to 12 March	Theorem based on Measure. Non-measurable sets.
14 March to 20 March	Holi Vacations
21 March to 26 March	Test
28 March to 2 April	Revision & Test

Lesson Plan from November - 2021 to March - 2022
PG - I Year (1st Sem)

Lecturer :	Ms. Mohini
Class with sem :	Msc-P (Sem-I)
Subject / Paper :-	Mathematical Statistics

Week	Topics
12 Nov to 13 Nov	Probability: Classical and axiomatic approach, Addition theorems of Probability, examples.
15 Nov to 20 Nov	Conditional Probability, Multiplication theorems of Probability, Independent events, multiplication theorems of Probability for independent events, examples.
22 Nov to 27 Nov	Problem Discussion, Bayes's theorem and examples based on Bayes's theorem, Bayes's theorem applications, Test
29 Nov to 4 Dec	Pairwise independent events, mutually independent events, examples, theorems.
06 Dec to 11 Dec	Random variables, discrete and continuous random variables, examples, conditional probability mass function, independent random variable.
13 Dec to 18 Dec	Distribution function, Discrete distribution function, Continuous distribution function, Bivariate discrete random variables, examples, Test.
19 Dec to 26 Dec	J Winter Vacations
27 Dec to 1 Jan	Joint, Marginal and conditional mass functions, examples conditional probability mass function, independent of random variables, examples.
3 Jan to 8 Jan	Test of topics of unit-I, Mathematical expectation & its properties (addition and multiplication theorems of expectation), expectation of a linear combination of random variable.
10 Jan to 15 Jan	examples, variance, properties of variance, variance of linear combination of random variable, examples, covariance, moment generating function of binomial, properties & uniqueness theorems. Test

17 Jan to 22 Jan	Binomial Distribution, examples, moments of binomial distribution, recurrence relation for the moments of binomial distribution, mgf of binomial Distribution
24 Jan to 29 Jan	mean deviation about mean of binomial distribution additive property of binomial distribution, examples. Problem Discussion. Test
31 Jan to 5 Feb	Poission Distribution, examples, moments of Poission distribution, recurrence relation for the moments of Poission distribution, mean deviation about mean of Poission distribution, additive property of binomial distribution
7 Feb to 12 Feb	Geometric distribution, lack of memory, moments of geometric distribution, moment generating function problem discussion. Test.
14 Feb to 19 Feb	Normal Distribution, normal distribution as a limiting form of binomial di, mode, median, m.g.f of normal distribution, moments of normal distribution, Examples, Theorems
21 Feb to 26 Feb	mean deviation about mean for normal distribution, examples, Test, Gamma distribution, m.g.f, moments, limiting form, additive property of Gamma distribution examples.
28 Feb to 5 March	Uniform distribution, m.g.f, moments of uniform di, limiting form of uniform distribution, additive property of uniform distribution, examples, Test, Problem Discussion
7 March to 12 March	Chebcheds inequality, central limit theorem, weak law of large number, Point and interval estimation unbiasedness, sufficiency, consistency & efficiency. Test.
14 March to 20 March	Holi Vacations
21 March to 26 March	Testing of Hypothesis, null and alternative hypothesis simple & composite Hypothesis, types of errors, level of significance, power of test, critical region, one tailed & two tailed test, t-test, f-test, Chi-square test. Problem Discussion
28 March to 2 April	Presentation on the topics of unit-1, 2, 3 and 4. Final Test

Lesson Plan from November - 2021 to March - 2022
PG - I Year (1st Sem)

Lecturer :	Ms. Anju Rani
Class with sem :	M.Sc.I (Ist Semester)
Subject / Paper :-	ABSTRACT ALGEBRA

Week	Topics
12 Nov to 13 Nov	UNIT-I Module, Submodule, Cyclic module, Simple and Semi modules,
15 Nov to 20 Nov	Schur's lemma, Free Module, Fundamental Structure theorem of
22 Nov to 27 Nov	finitely generated module over principal ideal domain,
29 Nov to 4 Dec	Revision of previous topic and discussion on Problems & Test
06 Dec to 11 Dec	UNIT-II Noetherian and Artinian module, ring with Simple properties
13 Dec to 18 Dec	Nil and Nilpotent ideals in Noetherian and Artinian Rings, Hilbert Basis theo.
19 Dec to 26 Dec	Winter Vacations
27 Dec to 1 Jan	Discussion on previous problems and its applications & examples
3 Jan to 8 Jan	Previous Problems, Test
10 Jan to 15 Jan	UNIT-III Algebraic Extension of a field, Degree of a field extension, Revision

17 Jan to 22 Jan	Algebraic Extension of a field and based theorem, Roots of a polynomial in an
24 Jan to 29 Jan	extension field, Algebraically closed field splitting field, Root field,
31 Jan to 5 Feb	splitting field based theorem and example.
7 Feb to 12 Feb	Taking doubts and problems, Test
14 Feb to 19 Feb	UNIT-IV separable extensions of field, Normal extension, multiple roots,
21 Feb to 26 Feb	Separable and Inseparable extensions theorems on separability primitive
28 Feb to 5 March	elements. Galois Theory - Introduction on finite fields, Properties, structure
7 March to 12 March	of multiplicative group of finite field and Test - UNIT-IV
14 March to 20 March	Holi Vacations
21 March to 26 March	Revision UNIT - I & II
28 March to 2 April	Revision UNIT - III, IV

Lesson Plan from November - 2021 to March - 2022
PG - I Year (1st Sem)

Lecturer :	डॉ० सन्जू
Class with sem :	एम० एस० सी I st
Subject / Paper :-	गणित (हिंदी संचार कौशल)

Week	Topics
12 Nov to 13 Nov	हिंदी संचार कौशल का अर्थ एवं परिभाषा
15 Nov to 20 Nov	संचार की अवधारणा एवं अर्थ
22 Nov to 27 Nov	संचार का स्वरूप एवं महत्त्व
29 Nov to 4 Dec	संचार के प्रकार एवं सम्प्रेषण के माध्यम
06 Dec to 11 Dec	भाषा सम्प्रेषण के चरण
13 Dec to 18 Dec	साक्षात्कार का अर्थ एवं स्वरूप
19 Dec to 26 Dec	Winter Vacations
27 Dec to 1 Jan	भाषा कला एवं लेखन
3 Jan to 8 Jan	पत्र - लेखन
10 Jan to 15 Jan	परीक्षा - संचार का अर्थ एवं महत्त्व

17 Jan to 22 Jan	हिंदी भाषा एवं उसकी बोलियों पर चर्चा
24 Jan to 29 Jan	हिंदी भाषा के विकास को विस्तारपूर्वक समझाया देवनागरी लिपि की विशेषताएँ
31 Jan to 5 Feb	परीक्षा - हिंदी भाषा का विकास एवं बोलियाँ
7 Feb to 12 Feb	हिंदी व्याकरण (मुहावरे, लोकोक्तियाँ, समानार्थक व विपरीतार्थक शब्द)
14 Feb to 19 Feb	हिंदी की संवैधानिक स्थिति एवं राजभाषा अधिनियम
21 Feb to 26 Feb	राष्ट्रपति अध्यादेश, अनुवाद का अर्थ एवं परिभाषा, अनुवाद का स्वरूप एवं प्रकृति को समझाया।
28 Feb to 5 March	अनुवाद की प्रक्रिया एवं वर्गीकरण, व्याव परीक्षा - अनुवाद का अर्थ एवं वर्गीकरण
7 March to 12 March	व्यावहारिक अनुवाद (अंग्रेजी / हिंदी) एवं सृजनात्मक लेखन
14 March to 20 March	Holi Vacations
21 March to 26 March	
28 March to 2 April	

Lesson Plan from November - 2021 to March - 2022
PG - I Year (1st Sem)

Lecturer :	Sunita
Class with sem :	M.Sc.-I (1st Sem.)
Subject / Paper :-	Differential Equations and Calculus of Variations

Week	Topics
12 Nov to 13 Nov	Initial value Problem and equivalent integral equation, Lipschitz condition, Picard Fundamental existence and uniqueness theorem.
15 Nov to 20 Nov	Dependence of solutions on initial conditions and parameters, Solution of initial-value problems by Picard method. Examples.
22 Nov to 27 Nov	Sturm - Liouville BVPs, Sturms Separation and comparison theorems. Lagrange's identity and Green's formula. Examples.
29 Nov to 4 Dec	Properties of eigenvalues and eigen functions, Ruffer transformation. Examples, Sort out problem of student.
06 Dec to 11 Dec	Class Test of unit-I. Adjoint systems, Self adjoint equations of second order. Linear system Examples
13 Dec to 18 Dec	Matrix method for homogeneous first order system of linear differential equations. Sort out Problems of students.
19 Dec to 26 Dec	Winter Vacations
27 Dec to 1 Jan	Fundamental Set and fundamental matrix. Wronskian of a system. Method of variation of constants for a non-homogeneous system.
3 Jan to 8 Jan	Nth order differential equation equivalent to a first order system. examples. Sort out problems of students. Class Test unit-II
10 Jan to 15 Jan	Non-linear differential system. Plane autonomous system and critical Points. Examples, sort out problem. Revision.

17 Jan to 22 Jan	Classification of critical points - rotation points, nodes, saddle points, Stability, examples, class Test.
24 Jan to 29 Jan	Asympotical stability and unstability of critical points. Almost linear systems examples, sort out problems, class Test
31 Jan to 5 Feb	Liapunov function and Liapunov's method to determinestability for non-linear system. Examples, sort out problems. class Test
7 Feb to 12 Feb	Periodic solutions and Floquet theory for periodic systems. Limit cycles. Examples, Revision, class Test.
14 Feb to 19 Feb	Bendixson non-existence theorem, Poincare. Bendixson theorem. Index of a critical Points. Examples, Sort out Problems.
21 Feb to 26 Feb	Motivating Problems of calculus of variations, Shortest Distance Examples, Sort out Problems of students. Class Test of unit-III
28 Feb to 5 March	Minimum surface of Resolution, Brachistochrone problem, Isoperimetric Problems, examples, class Test.
7 March to 12 March	Geodesic, Fundamental Lemma of Calculus of Variations. Euler equation for one dependent function and its generalizationtoin
14 March to 20 March	Holi Vacations
21 March to 26 March	Class Test of unit-IV. Revision of unit-I and unit-II. Sort out problems of students.
28 March to 2 April	Revision of complete syllabus.

25 Jan - 30 Jan	Introduction to 'William Henry Hudson' Textual reading of the chapters mentioned in unit 1.
1 Feb - 6 Feb	Textual Reading Continued. Analysis of the text.
8 Feb - 13 Feb	Discussing Long and Short questions based on the text mentioned in syllabus. Doubt Removal class, Home Assignment, Test.
15 Feb - 20 Feb	Introduction to 'Terry Eagleton'. Textual reading with explanation.
22 Feb - 27 Feb	Textual reading continued.
1 Mar - 6 Mar	Discussion on short and Long answer type questions. Doubt removal class, Home Assignment, Test of unit II
8 Mar - 13 Mar	Introduction to 'Aristotle' Textual reading of the work.
15 Mar - 20 Mar	Textual reading with explanation continued.

G-Lesson Plan from oct 2020 to March 2021	
Lecturer	Ms. Anju
Class with sem	MA (Final) Semester - III (English)
Subject/ Paper	Literary Theory and Criticism - II
Week	Topics
5 Oct -10 Oct	Introduction of the Paper and discussion of scheme of Examination, Introduction to Literary Theory and Criticism
12 Oct - 17 Oct	Introduction of emerging trends of Literary Theory, discussion about basic critical terms of different theories
19 Oct - 24 Oct	Introduction of Structuralism, detail study of Semiotics
26 Oct -31 Oct	Introduction of 'Ferdinand De Saussure' detail study of 'Sign, Signifier, Signified
2 Nov - 7 Nov	Textual reading of "Nature of Linguistic Sign' with its critical analysis
9 Nov - 14 Nov	Doubt removal classes, Home assignment, Class test
16 Nov - 21 Nov	Introduction of Roland Barthes, Introduction of 'The Death of the Author'

23 Nov - 28 Nov	Continue reading of 'The Death of The Author
30 Nov - 5 Dec	Introduction about Feminism and its different waves
7 Dec - 12 Dec	Introduction to 'Simone de Beauvoir', Critical introduction about 'The Second Sex' book
14 Dec - 19 Dec	Textual reading of 'The Second Sex' (Introduction) Part trans. by H.M Parshley
21 Dec - 26 Dec	Doubt removal class, Home assignment, Class test
28 Dec - 2 Jan	Introduction to 'Elaine Showalter' Critical introduction about 'Feminist Criticism in Wilderness"
4 Jan - 9 Jan	Textual reading of 'Feminist Criticism in Wilderness'
11 Jan - 16 Jan	Introduction about Post-structuralism and its Pioneer critics, Introduction about Differance and its pioneer critics
18 Jan -23 Jan	Critical discussion about Deconstruction theory

25 Jan - 30 Jan	Discussion about Postmodernism and Postcolonial criticism and there pioneer critics
1 Feb - 6 Feb	Doubt removal classes, Home assign-ment, class test
8 Feb - 13 Feb	Introduction to 'Edward Said', critical discussion about 'Introduction to Orient-alism
15 Feb - 20 Feb	Textual reading of 'Introduction to 'Orientalism'
22 Feb - 27 Feb	Introduction to 'Jacques Derrida', critical discussion about 'Letter to a Japanese friend'
1 Mar - 6 Mar	Textual reading of 'Letter to a Japanese Friend', Discussion about its questions
8 Mar - 13 Mar	Doubt removal class, Home assignment, class test
15 Mar - 20 Mar	Revision, Class tests on alternate days

PG-Lesson Plan from oct 2020 to April 2021	
Lecturer	Ms. Taanya
Class with sem	MA final English - 3rd sem.
Subject/ Paper	Literature and Gender
Week	Topics
5 Oct -10 Oct	Introduction to syllabus and examination pattern.
12 Oct - 17 Oct	Basic familiarity with feministic terms: Gender, Feminism, Feminine, Feminist, Female, Subaltern,
19 Oct - 24 Oct	Otherization, Patriarchy, Oppression, Female Space, Gynocriticism, Ecriture feminine, Subjection.
26 Oct -31 Oct	Gender Equality, Liberation, Emancipation, New Woman, LGBT, Identity.
2 Nov - 7 Nov	Detailed discussion of waves of feminism - First Wave, Second Wave.
9 Nov - 14 Nov	Third Wave of feminism. Other Movements of Feminists.
16 Nov - 21 Nov	Introduction of Virginia Woolf - her life and literary contribution.

23 Nov - 28 Nov	Detailed study of 'A Room of One's Own'. Chapter 1, 2.
30 Nov - 5 Dec	Chapeter-3, 4 of 'A Room of One's Own'
7 Dec - 12 Dec	Chapter - 5, 6 of 'A Room of One's Own'
14 Dec - 19 Dec	Discussion of short & long questions of 'A Room of One's Own'.
21 Dec - 26 Dec	Introduction of Bronte Sisters with main focus on Charlotte Bronte.
28 Dec - 2 Jan	Life and Literary Contribution of Charlotte Bronte.
4 Jan - 9 Jan	Detailed study of 'Jane Eyre'
11 Jan - 16 Jan	Stylistic Analysis of 'Jane Eyre'
18 Jan -23 Jan	Class Test, Doubt Removal Class of Unit - 1, 2.

25 Jan - 30 Jan	Introduction of Jean Rhys - life and literary contribution.
1 Feb - 6 Feb	Detailed study of 'Wide Sargasso Sea'.
8 Feb - 13 Feb	Stylistic analysis of 'Wide Sargasso Sea'.
15 Feb - 20 Feb	Discussion of short & long questions of 'Wide Sargasso Sea'.
22 Feb - 27 Feb	Doubt Removal Classesand Revison of Unit-1- Concepts of Gender Studies.
1 Mar - 6 Mar	Doubt Removal Classes and Revision of remaing concepts.
8 Mar - 13 Mar	Doubt Removal Classes and Revision of Unit-2.
15 Mar - 20 Mar	Doubt Removal Classes. and Revision of Unit-3.

22 March - 27 March	Doubt Removal Classes and Revision of Unit-4.
28 March - 31 March	Holi Break
1 April - 3 April	Class Test and Revision of Unit-1,2.
5 April - 10 April	Class Test and Revision of Unit-3,4.
12 April - 15 April	Doubt Removal Classes.

	PG-Lesson Plan from oct 2020 to April 2021
Lecturer	Ms. Tanya
Class with sem	M.A. final (3rd sem) [English]
Subject/ Paper	English fiction - II
Week	Topics
5 Oct -10 Oct	Introduction to the syllabus and Examination scheme. Explaining Socio-Political conditions of the relevant period.
12 Oct - 17 Oct	Introduction to Literary Terms of the relevant period.
19 Oct - 24 Oct	Doubt Removal Class, Assignment and Test of unit 1.
26 Oct -31 Oct	Introduction to 'Charles Dickens'. Explaining Plot and Characters of the novel.
2 Nov - 7 Nov	Reading of the important parts of the novel.
9 Nov - 14 Nov	Reading Continued with critical analysis of the text.
16 Nov - 21 Nov	Explaining Themes of the novel. Discussion on Long questions based on the novel.

23 Nov - 28 Nov	Doubt removal class, homeassignment and test of unit 2.
30 Nov - 5 Dec	Introduction to 'Thomas Hardy'. Explaining plot and characters of the novel.
7 Dec - 12 Dec	Reading of the important parts of the novel.
14 Dec - 19 Dec	Reading continued with critical analysis of the text.
21 Dec - 26 Dec	Explaining important themes of the novel, Discussion on Long questions.
28 Dec - 2 Jan	Doubt removal class, homeassignment, Test of unit 3.
4 Jan - 9 Jan	Introduction to 'D.H. Lawrence'. Explaining Plot and characters of the novel.
11 Jan - 16 Jan	Reading of the important parts of the novel.
18 Jan -23 Jan	Reading continued.

25 Jan - 30 Jan	Explanation of themes and Long questions based on the novel.
1 Feb - 6 Feb	Doubt removal class, home assignment, and test of unit 4.
8 Feb - 13 Feb	Revision and Test of unit 1
15 Feb - 20 Feb	Doubt removal Classes.
22 Feb - 27 Feb	Revision and Test of Unit 2
1 Mar - 6 Mar	Doubt removal Classes.
8 Mar - 13 Mar	Revision and Test of Unit 3
15 Mar - 20 Mar	Doubt removal Classes

22 March - 27 March	Revision and Test of Unit 4.
28 March - 31 March	Holi Break
1 April - 3 April	Doubt Removal Class.
5 April - 10 April	P.P.T. Presentation.
12 April - 15 April	Doubt Removal Class.

PG-Lesson Plan from oct 2020 to April. 2021	
Lecturer	Ms. Malvika
Class with sem	M.A. final (IIIrd Sem) [English]
Subject/ Paper	english Drama-II
Week	Topics
5 Oct -10 Oct	Introduction to Syllabus and Examination Scheme. Introduction to Drama and its Literary terms.
12 Oct - 17 Oct	Explaining the Socio-Political conditions of the relevant period.
19 Oct - 24 Oct	Introduction to the writer 'Arthur Miller'. Reading of the text with explanation. Explaining the plot and characters of the Play.
26 Oct -31 Oct	Reading of the text continued.
2 Nov - 7 Nov	Discussion about the main themes of the play. Discussion on Long questions.
9 Nov - 14 Nov	Doubt Removal class, Home Assignment and Test of unit 1.
16 Nov - 21 Nov	Introduction to 'Samuel Beckett'. Explaining Plot and Characters of ~~of~~ the play.

23 Nov - 28 Nov	Textual Reading of the play with critical analysis.
30 Nov - 5 Dec	Textual Reading Continued.
7 Dec - 12 Dec	Reading and Explanation continued.
14 Dec - 19 Dec	Discussion on themes of the play. Discussion on long questions.
21 Dec - 26 Dec	Doubt Removal class, Home assignment class test of unit 2.
28 Dec - 2 Jan	Introduction to 'John Osborne' Explaining Plot and characters of the play.
4 Jan - 9 Jan	Textual Reading of the Play.
11 Jan - 16 Jan	Textual Reading Continued. Discussion on Critical Analysis of the play.
18 Jan -23 Jan	Reading Continued.

25 Jan - 30 Jan	Discussion on Important Themes of the play.
1 Feb - 6 Feb	Discussion on long questions of the work.
8 Feb - 13 Feb	Doubt Removal Class, Home Assignment Test.
15 Feb - 20 Feb	Doubt Removal Classes and Tests.
22 Feb - 27 Feb	P.P.T. Presentation by the students
1 Mar - 6 Mar	Revision and Test of Unit 1
8 Mar - 13 Mar	Revision and Test of Unit 2
15 Mar - 20 Mar	Revision and Test of Unit 3

22 March - 27 March	Revision and Test of Unit 4.
28 March - 31 March	Holi Break
1 April - 3 April	Doubt Removal Classes
5 April - 10 April	"
12 April - 15 April	"

PG-Lesson Plan from oct 2020 to April 2021

Lecturer	Ms Mainlea
Class with sem	M.A. Final (3rd sem) (English)
Subject/ Paper	Post-Colonial studies

Week	Topics
5 Oct -10 Oct	Introduction to the Syllabus and Examination scheme. Basic familiarity with the terms related to Colonialism and Postcolonialism.
12 Oct - 17 Oct	Introduction to the writer 'Aphra Behn' Explaining plot and Characters of the novel.
19 Oct - 24 Oct	Reading of the important parts of the novel.
26 Oct -31 Oct	Textual Reading Continued. Explaining literary terms related to the work.
2 Nov - 7 Nov	Explaining of Themes of the novel. Discussion on Long Questions based on the novel.
9 Nov - 14 Nov	Doubt Removal class, homeassignment and class test of unit 1.
16 Nov - 21 Nov	Introduction to 'Joseph Conrad' Explaining Plot and Characters of the novel.

23 Nov - 28 Nov	Textual study of important parts of the novel.
30 Nov - 5 Dec	Reading Continued.
7 Dec - 12 Dec	Explanation of Themes of the novel, discussing important long questions based on the novel.
14 Dec - 19 Dec	Doubt removal class, homeassignment and class test of unit 2.
21 Dec - 26 Dec	Introduction to 'Salman Rushdie' Discussion on Plot and characters of the novel.
28 Dec - 2 Jan	Textual study of important parts of the novel.
4 Jan - 9 Jan	Reading and explanation continued. Critical Analysis of the work.
11 Jan - 16 Jan	Discussion of Themes. Discussion of the long questions.
18 Jan -23 Jan	Doubt removal class, home assignments and class test of unit 3.

25 Jan - 30 Jan	Test of Literary Terms.
1 Feb - 6 Feb	Doubt removal classes.
8 Feb - 13 Feb	P.R.T. Presentation Assignment.
15 Feb - 20 Feb	Doubt removal classes and tests.
22 Feb - 27 Feb	Revision and Tests of Unit 1. Colonialism, Postcolonialism, Diasporic Ethnicity, Alterity, Hybridity
1 Mar - 6 Mar	Revision and Test of Unit 1. Hegemony, Identity, Ideology, Orientalism, Culture, Metanarratives
8 Mar - 13 Mar	Revision and Test of the Terms:- Mapping, Mimicry, Nation/Nation-state Subaltern, Alienation, Assimilation
15 Mar - 20 Mar	Revision and Test of the following Terms:- Place and Displacement, Syncreticity, Appropriation, Abrogation.

22 March - 27 March	Revision and Test of the following Terms:- Location, Racism, Imperialism, Centre and Marginalisation.
28 March - 31 March	Holi Break
1 April - 3 April	Revision and Test of Unit 2 Revision and Test of Unit 3
5 April - 10 April	Revisi and Test of Unit 4.
10 April - 15 April	Doubt Removal classes.

PG-Lesson Plan from oct 2020 to April 2021	
Lecturer	Ms. Jyoti
Class with sem	M.A. English Final Year - 3rd Sem.
Subject/ Paper	English Poetry - III
Week	Topics
5 Oct -10 Oct	Introduction to syllabus and discussion of examination pattern.
12 Oct - 17 Oct	Discussion of Literary Ages of English Literature.
19 Oct - 24 Oct	Detailed discussion of Victorian Age and Socio-Political conditions of the Age.
26 Oct -31 Oct	Literary terms and literary features of Victorian Age.
2 Nov - 7 Nov	Introduction of Robert Browning - his life and his literary contribution.
9 Nov - 14 Nov	Detailed study of "My Last Duchess" and "Rabbi Ben Ezra"
16 Nov - 21 Nov	Detailed study of "Fra Lippo Lippi". Class Test.

23 Nov - 28 Nov	Introduction of Matthew Arnold - his life and his literary contribution.
30 Nov - 5 Dec	Detailed study of "The Scholar Gypsy"
7 Dec - 12 Dec	~~and~~ Continued "The Scholar Gypsy"
14 Dec - 19 Dec	Detailed study of "Thyrsis"
21 Dec - 26 Dec	Continued "Thyrsis"
28 Dec - 2 Jan	Discussion of short and long question on poetry of 'Robert Browning' and 'Matthew Arnold". Class Test.
4 Jan - 9 Jan	Detailed discussion of Modern Age and its Socio - Political and Economic Conditions.
11 Jan - 16 Jan	Literary Terms and Literary features of the Modern Age.
18 Jan -23 Jan	Introduction of T.S Eliot - his life and literary contribution.

25 Jan - 30 Jan	Detailed study of "The Wasteland" - chapter; 1, 2.
1 Feb - 6 Feb	The Wasteland - chapter - 3, 4.
8 Feb - 13 Feb	The Wasteland - chapter 5.
15 Feb - 20 Feb	Discussion of short and Long Questions on 'The Waste Land'. Class Test.
22 Feb - 27 Feb	Introduction of W.H. Auden - his life and his literary contributions.
1 Mar - 6 Mar	Detailed study of - 'Partition', 'The Shield of Achilles'.
8 Mar - 13 Mar	Detailed study of 'The Memory of W.B. Yeats'.
15 Mar - 20 Mar	Discussion of short & long questions on poetry of W.H. Auden.

22 March - 27 March	Introduction of W.B. Yeats - his life and his literary contribution. Home assignment.
28 March - 31 March	Holi Break
1 April - 3 April	Detailed study of - 'The Second Coming', 'Sailing to Byzantium'.
5 April - 10 April	Detailed study of - 'A prayer for my Daughter'. Discussion of short and long questions of W.B. Yeats's poetry.
12 April - 15 April.	Doubt Removal Classes and Revision Classes.

PG Lesson Plan from Jan 2021 to April 2021

Lecturer	Ms. Taanya
Class with sem	M.A Previous English (sem-I)
Subject/Paper	English Drama-I
28 Dec to 2 Jan	
4 Jan to 9 Jan	
11 Jan to 16 Jan	Introduction to syllabus and examination pattern.
18 Jan to 23 Jan	Detailed study of socio-political and economic condition of Age of Shakespeare.
25 Jan to 30 Jan	Detailed study of 'Hadet'.
1 Feb to 6 Feb	Stylistic Analysis of 'Hamlet'
8 Feb to 13 Feb	Discussion of short & long questions of 'Hamlet'.
15 Feb to 20 Feb	Socio-political & economic conditions during time-period of Ben Jonson. Introduction of Ben Jonson.

22 Feb to 27 Feb	Detailed actwise study of Volpone.
1 March to 6 March	Stylistic analysis of Ben Jonson's Volpone.
8 March to 13 March	Discussion of short & long answer questions of Volpone. Doubt Removal Class.
15 March to 20 March	Socio-political and economic conditions of timeperiod of William Congreeve. Introduction of William Congreeve.
22 March to 27 March	Detailed study of 'The Way of the World'. Home Assignment
28 March to 31 March	**Holi Break**
1 April to 3 April	Discussion of short and long questions of the play 'The Way of the World'.
5 April to 10 April	Doubt Removal Classes and Revision Tests
12 April to 16 April	Doubt Removal Classes.

PG Lesson Plan from Jan 2021 to April 2021.

Lecturer	Ms. Anju
Class with sem	M.A. Previous English- 1st Sem.
Subject/Paper	Modern Indian Writings in English
28 Dec to 2 Jan	
4 Jan to 9 Jan	
11 Jan to 16 Jan	Introduction of the paper and discussion of scheme of examination, Introduction of Indian writings and history of Indian English writings.
18 Jan to 23 Jan	Reading of modern age of Indian writing from the book 'Indian Writing in English' by 'K.R.S Iyengar'
25 Jan to 30 Jan	Introduction of different genere and pioneers of all genere, Doubt removal classes, Home assignment and class test
1 Feb to 6 Feb	Introduction of 'Nissim Ezekiel' textual reading of the Poems 'A Time to Change', 'The Egoist's Prayers' and 'Poet Lover Birdwatcher'
8 Feb to 13 Feb	Introduction of 'A.K. Ramanujan', textual reading of 'Obituary with its explanation and analysis
15 Feb to 20 Feb	textual reading of 'Love Poem for Wife 1' Doubt removal class, Class test

22 Feb to 27 Feb	Introduction of 'Shashi Deshpande' Introduction of 'That Long Silence'
1 March to 6 March	Continue reading of 'That Long Silence'
8 March to 13 March	Discussion of questions related to 'That Long Silence'
15 March to 20 March	Introduction of 'Girish Kasnad'
22 March to 27 March	Doubt removal classes, Home assignment, class test
28 March to 31 March	**Holi Break**
1 April to 3 April	Text reading of 'Tughlaq' with critical point of view
5 April to 10 April	Continue reading of 'Tughlaq' with critical point of view, Discussion about important questions
12 April to 16 April	Doubt removal classes, revision, class tests on alternate days.

P.G-Lesson Plan from Jan 2021 to April 2021

Lecturer	Ms. Mahitea
Class with sem	M.A. Previous (Sem I) (English)
Subject / Paper	English Poetry - I
30 Nov - 5 Dec	
7 Dec - 12 Dec	
14 Dec - 19 Dec	
21 Dec - 26 Dec	
28 Dec - 2 Jan	
4 Jan - 9 Jan	
11 Jan - 16 Jan	Introduction to the syllabus and examination scheme. Introduction to Poetry.
18 Jan -23 Jan	Explaining Socio-Political conditions of the relevant Period. Literary Terms used in the Poems.

25 Jan - 30 Jan	Introduction to 'Geoffrey Chaucer'. Detailed Study of the Prologue of 'Canterbury Tales'
1 Feb - 6 Feb	Detailed Study Continued.
8 Feb - 13 Feb	Discussion on Questions based on the Poem. How to attempt questions on poetry.
15 Feb - 20 Feb	Doubt Removal Class, Home assignment, Test of Unit II
22 Feb - 27 Feb	Introduction to 'William Shakespeare'. Detailed study of the poem (Sonnet CXVI) and Sonnet XVIII, Discussion on Long Questions.
1 Mar - 6 Mar	Introduction to 'John Donne'. Detailed study of the poems 'Canonization', "A Valediction forbidding Mourning", "The Extasie'. Discussion on Questions.
8 Mar - 13 Mar	Introduction to 'Andrew Marvell'. Detailed study of the poems 'To His Coy Mistress', "The Garden". Discussion on Questions.
15 Mar - 20 Mar	Doubt Removal Class, Home Assignment, Test of Unit III.

22 March - 27 March	Introduction to 'John Milton' Detailed study of 'Paradise Lost (Book 1)'
28 March - 31 March	Holi Break
1 April - 3 April	Reading and Explanation Continued of 'Paradise Lost (Book 1)'
5 April - 10 April	Discussion on Long Questions based on the Poem.
12 April - 15 April	Doubt Removal Class, Revision and Test of Unit IV.

PG Lesson Plan from Jan 2021 to April 2021

Lecturer	Ms. Jyoti
Class with sem	M.A. Previous English - 1st Sem.
Subject / Paper	Modern Essay.
30 Nov - 5 Dec	
7 Dec - 12 Dec	
14 Dec - 19 Dec	
21 Dec - 26 Dec	
28 Dec - 2 Jan	
4 Jan - 9 Jan	
11 Jan - 16 Jan	Introduction of Syllabus & Examination Pattern. Introduction of Michael de Montaigne.
18 Jan -23 Jan	Textual Study of Essay "On Experience."

25 Jan - 30 Jan	Introduction of Charles Lamb. alongwith explanation of writing style of age.
1 Feb - 6 Feb	Detailed Study of "Dream Children". Discussion of short & long questions of essay.
8 Feb - 13 Feb	Introduction of Ralph Waldo Emerson and Detailed study of "The American Scholar"
15 Feb - 20 Feb	Discussion of long questions of essay. Introduction of Bertrand Russell.
22 Feb - 27 Feb	Detailed study of "On being Modern-Minded".
1 Mar - 6 Mar	Discussion of questions of essay. Introduction of John Jay Chapman.
8 Mar - 13 Mar	Detailed study of "William James". Discussion of short & long questions of essay.
15 Mar - 20 Mar	Introduction of Virginia Woolf. Detailed study of "The Death of the Moth".

22 March - 27 March	Introduction of Joseph Epstein. Detailed study of "About Face". Home Assignment.
28 March - 31 March	Holi Break
1 April - 3 April	Discussion of short & long questions of essay. Introduction of James Baldwin.
5 April - 10 April	Detailed study of "Stranger in the Village". Discussion of short & long questions of essay.
12 April - 15 April	Doubt Removal Classes and Revision.

PG- Lesson Plan from Jan 2021 to April 2021

Lecturer	Ms. Taanya
Class with Sem	M.A. Previous (Ist sem) [English]
Subject / Paper	Appreciation of Literature
30 Nov - 5 Dec	
7 Dec - 12 Dec	
14 Dec - 19 Dec	
21 Dec - 26 Dec	
28 Dec - 2 Jan	
4 Jan - 9 Jan	
11 Jan - 16 Jan	Introduction of the syllabus and examination scheme.
18 Jan -23 Jan	Introduction of emerging trends of Literary Theory, discussion about basic Critical terms of different theories.

25 Jan - 30 Jan	Introduction to 'William Henry Hudson' Textual reading of the chapters mentioned in unit 1.
1 Feb - 6 Feb	Textual Reading Continued. Analysis of the text.
8 Feb - 13 Feb	Discussing Long and Short questions based on the text mentioned in syllabus. Doubt Removal class, Home Assignment, Test.
15 Feb - 20 Feb	Introduction to 'Terry Eagleton'. Textual reading with explanation.
22 Feb - 27 Feb	Textual reading continued.
1 Mar - 6 Mar	Discussion on short and Long answer type questions. Doubt removal class, Home Assignment, Test of unit II
8 Mar - 13 Mar	Introduction to 'Aristotle' Textual reading of the work.
15 Mar - 20 Mar	Textual reading with explanation continued.

22 March - 27 March	Discussion on Short and Long Answer Type questions. Doubt Class, Home Assignment, Test.
28 March - 31 March	Holi Break
1 April - 3 April	Introduction to 'Orhan Pamuk'. Textual Reading of the chapters mentioned in unit IV
5 April - 10 April	Reading Continued.
12 April - 15 April	Doubt removal Class, Revision, Test.