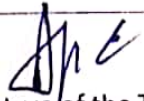


Lesson Plan

Name of the Assistant/ Associate Professor..... Ajay Dahiya
 Class and Section:..... B.A. 1st Sem...... Session..... 2023-24
 Subject:..... Cartographic Techniques (P)

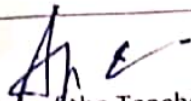
Month	Topic
July. Aug.	Definition, Nature and Scope of Cartography Scale, Statement of Scale and types of scales. Lab Work.
Sep.	Methods of showing Relief and Height; Hachures, Contours, Form lines, Trigonometrically stations, Spot Heights, Bench Marks. Lab Work.
Oct.	Survey of India: Conventional Signs. Lab Work.
Nov.	Revision


Signature of the Teacher

Lesson Plan

Name of the Assistant/ Associate Professor..... Ajay Dahiya.....
 Class and Section:..... B.A. G.H. 6th Sem..... Session..... 2023-24.....
 Subject:..... Disaster Management.....

Month	Topic
Jan.	Disaster; Hazards, Risk, Vulnerability and Disasters: Definition and Concepts. Disasters in India: Causes Impact,
Feb.	Distribution and Mapping: Flood and Drought, Earthquake and Cyclone.
Mar.	Human induced Disasters in India: Causes, Impact, Distribution and Mapping. Disaster Risk Reduction: Mitigation and Preparedness, NDMA and NIDM.
Apr.	Community Based Disaster Management. Do's and Don'ts during Disasters. Revision

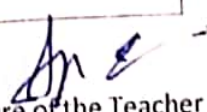

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May

Lesson Plan

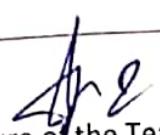
Name of the Assistant/ Associate Professor..... Ajay Dahiya.....
 Class and Section:..... B.A. G.H. 6th Sem...... Session..... 2023-24.....
 Subject:..... Remote Sensing and areal photographs (P).....

Month	Topic
Jan.	Remote Sensing : Definition, Development Platform and type: Aerial Photography. Principle, type and Geometry.
Feb.	Satellite Remote sensing : Principal, EMR Interaction with Atmosphere and earth surface, Satellites (Landsat IRS) and sensor, Digital Remote Process.
Mar.	GIS - Definition, Component and signify came GIS Data Structures: type (Spatial and non-Spatial)
Apr.	Raster and Vector; GIS Data Analysis - Input, Editing and Output - Overlays.


 Signature of the Teacher

Lesson PlanName of the Assistant/ Associate Professor..... Ajay DahiyaClass and Section:..... M.Sc. Ist Sem...... Session..... 2023-24Subject:..... Bio-geography.....

Month	Topic
July- Aug.	Biogeography - Development and scope; Biosphere - definition, nature and composition, Environment, Habitat and Plant-animal association. Origin of fauna and flora:- major gene centres; domestication of plants and animals and their disposal agents and roots.
Sep.	Distribution of plant life on the earth and its relation to soil, climate and human activities. Geographical distribution of animal life on the earth and its relation to vegetation types, climate and human activities. Ecosystem - Meaning, types, components and functioning of ecosystem, Evolution of living organisms and factors influencing their distribution on the earth. Biomes - Meaning and types. Bio-geographical realms - Zoogeography and its realms and its environmental relationships. Environmental hazards: Ecological consequences, human perception and adjustment with respect to flood, drought and earthquake.
Oct.	Bio-Reserves in India: National forest and wild life policy of India.
Nov.	Revision



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Dec.

Lesson Plan

Name of the Assistant/ Associate Professor..... Njay Dahiya
 Class and Section: M.Sc 3rd Sem Session: 2023-24
 Subject:..... Research Methodology

Month	Topic
July. Aug.	Introduction to Research in Geography: meaning, Objectives, types and significance of research, Characteristics of Research. Significance of Field Work. Defining Research Problems: Meaning of Research problem, selection of R. Problem, need for defining a research problem.
Sep.	Techniques and Limitations of R. Problem. Formulation of Hypothesis: Definition, characteristics and types Research Design: meaning, need and features. Intro. Concepts related to R. design, Types of R.D. - exploratory, descriptive and experimental. Sampling and sample design: Census and Sample methods, advantages and limitation of sampling, characteristics of a good sample, sampling techniques and methods - Random & Non-random. Merits and limitations of sampling.
Oct.	Data sources and Data collection: types, Sources, methods of collecting primary data.
Nov.	Observation method, interview, questionnaire, and schedule, difference b/w questionnaire and schedule Revision

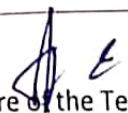

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Dec.

Lesson Plan

Name of the Assistant/ Associate Professor..... Ajay Dahiya.....
 Class and Section:..... M.Sc 3rd Sem..... Session..... 2023-24.....
 Subject:..... Field work and Report Writing (P).....

Month	Topic
July. Aug.	Students collected the socio-economic data. Questionnaire was provided.
Sep.	Interpretation of socio-economic data obtained from the field
Oct.	Prepared the field report.
Nov.	-

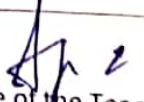

Signature of the Teacher

May.

Lesson Plan

Name of the Assistant/ Associate Professor..... Ajay Dahiya
 Class and Section:..... M.Sc. 2nd, 4th Sem..... Session..... 2023-24
 Subject:..... Water Resources.....

Month	Topic
Jan.	Definition, nature, scope and importance of water resource geography. Distribution and changing trends in use of water in the world.
Feb.	Status of water resources in India. Factors affecting demand of water, water demand and supply (Domestic)
Mar.	Estimation of water demand and use in agricultural sector. Groundwater assessment, development and management.
Apr.	Water pricing and its marketing, virtual and footprints of water. Revision.

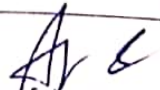

Signature of the Teacher

May,

Lesson Plan

Name of the Assistant/ Associate Professor..... Ajay Dahiya
 Class and Section:..... M.Sc. 2nd, 4th Sem...... Session..... 2023-24
 Subject:..... Natural Hazards and Disaster Management

Month	Topic
Jan.	Disasters and Hazards: Definition, nature & classification Major disasters of world, disaster profile of India, Tectonic Disasters: Volcanoes, Earthquakes, Tsunami, Landslides. Hydrological disasters: Floods, Droughts
Feb.	Climatic Disasters: Cyclones and Heavy Precipitation events, Human induced Disasters: Epidemics, Industrial and Transport Disaster, Wars and Terrorism induced Disasters Disaster Management in India: Policy and Organizational Structure Setup.
Mar.	Disaster Vulnerability & affecting factors Planning for Disaster Mitigation Measures & Preparedness. Post Disaster Recovery and Rehabilitation Impacts of Disaster on Society and Economy
Apr.	Remote Sensing and GIS Applications in Disaster prevention and monitoring Revision.


 Signature of the Teacher