

Kanya Mahavidyalaya, Kharkhoda (Sonepat)

Lesson Plan Session 2020-21

Name of the Assistant/Associate Professor: MRS. ANNU
Class and Section: M.A FINAL YEAR
Subject: GEOGRAPHY
Paper: BIO GEOGRAPHY
Year/Semester: 3 rd

06 Oct. 2020 to 05 Nov. 2020

Month/Week	Topic
October (Week-2)	Biogeography: Introduction, meaning and definitions; The Development.
October (Week-3)	Biogeography: field and functions of Biogeography.
October (Week-4)	Biosphere – introduction, definition, nature, scope and composition.
November (Week-1)	Composition of biosphere, Biogeochemical cycles- Introduction, definitions, concept of biogeochemical cycle.

06 Nov. 2020 to 05 Dec. 2020

Month/Week	Topic
November (Week-2)	Biogeochemical cycles: the hydrological cycle, the carbon cycle.
November (Week-3)	Biogeochemical cycles: the oxygen cycle, the nitrogen cycle.

November (Week-4)	Biogeochemical cycle: the phosphorous cycle and the sediment cycle.
December (Week-1)	ECOSYSTEM: meaning, definition, concept of ecosystem.

06 Dec. 2020 to 05 Jan. 2021

Month/Week	Topic
December (Week-2)	Biogeochemical cycle: the carbon cycle and the nitrogen cycle revision.
December (Week-3)	Ecosystem – introduction, definition, Meaning, types of ecosystem.
December (Week-4)	Ecosystem – components and functioning of ecosystem.
January (Week-1)	Biogeochemical cycle: the hydrological cycle revision

05 Jan. 2021 to 06 Feb. 2021

Month/Week	Topic
January (Week-2)	Evolution of living organism; concept of living organism.
January (Week-3)	factors influencing their distribution on the earth
January (Week-4)	Biomes- introduction, meaning and types of biomes.
February (Week-1)	Bio- geographical realms: introduction of zoogeography.

06 Feb. 2021 to 25 Feb. 2021

Month/Week	Topic
February (Week-2)	Bio- geographical realms: introduction of zoogeographical realms.
February (Week-3)	ASSIGNMENT AND TEST

February (Week-4)	REVISION: ORAL AND WRITTEN
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Lesson Plan Session 2020-21

Name of the Assistant/Associate Professor: MRS. ANNU
Class and Section: M.A FINAL YEAR
Subject: GEOGRAPHY
Paper: DISASTER MANAGEMENT
Year/Semester: 3rd

06 Oct. 2020 to 05 Nov. 2020

Month/Week	Topic
October (Week-2)	Disaster- Causes and phases of disaster, Rapid onset and slow onset disasters.
October (Week-3)	Nature and responses to geo-hazards, trends in climatology, meteorology and hydrology.
October (Week-4)	Seismic activities. Changes in Coastal zone, coastal erosion, beach protection.
November (Week-1)	Coastal erosion due to natural and manmade structures.

06 Nov. 2020 to 05 Dec. 2020

Month/Week	Topic
November (Week-2)	Floods :causes of flooding, Hazards associated with flooding. Flood forecasting.

November (Week-3)	Flood through ppt
November (Week-4)	Flood management, Integrated Flood Management and Information System (IFMIS), Flood control.
December (Week-1)	Seismic activities test

06 Dec. 2020 to 05 Jan. 2021

Month/Week	Topic
December (Week-2)	Water related hazards- Structure and nature of tropical cyclone,
December (Week-3)	Tsunamis through ppt
December (Week-4)	Tsunamis – causes and physical characteristics, mitigation of risks.
January (Week-1)	Coastal erosion due to natural and manmade structures test

05 Jan. 2021 to 06 Feb. 2021

Month/Week	Topic
January (Week-2)	Earthquakes: Causes and characteristics of ground-motion, earthquake scales, magnitude and intensity, earthquake hazards and risks,
January (Week-3)	Tests
January (Week-4)	Volcanic land forms, eruptions, early warning from satellites, risk mitigation and training, Landslides
February (Week-1)	Mitigation efforts: UN draft resolution on Strengthening of Coordination of Humanitarian Emergency Assistance, Flood test

06 Feb. 2021 to 25 Feb. 2021

Month/Week	Topic
February (Week-2)	Policy for disaster reduction, problems of financing and insurance.
February (Week-3)	ASSIGNMENT AND TEST
February (Week-4)	REVISION: ORAL AND WRITTEN

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Lesson Plan Session 2020-21

Name of the Assistant/Associate Professor: NISHA
Class and Section: M.A FINAL YEAR
Subject: GEOGRAPHY
Paper: REMOTE SENSING AND GIS
Year/Semester: 3rd

06 Oct. 2020 to 05 Nov. 2020

Month/Week	Topic
October (Week-2)	Photogrammetry: introduction and definition, History and development, Definition and meaning; Aerial photographs-types, characteristics.
October (Week-3)	Geometry, methods of determining scale; Ground coverage and overlapping.
October (Week-4)	stereoscopes and stereoscopic vision; Photomosaics-types and uses.
November (Week-1)	Elements of image interpretation.

06 Nov. 2020 to 05 Dec. 2020

Month/Week	Topic
November (Week-2)	Remote Sensing technique- Meaning, basic principles/concepts, Remote sensing system and relevance in Geography.

November (Week-3)	Electromagnetic radiations (EMR); Electromagnetic spectrum; interaction of EMR with atmosphere and Earth's surface features.
November (Week-4)	Spectral reflectance; Remote sensing data; Basic principles of thermal and microwave remote sensing
December (Week-1)	Remote sensing platforms- types and characteristics; Satellite orbits- Near polar and Geostationary orbits.

06 Dec. 2020 to 05 Jan. 2021

Month/Week	Topic
December (Week-2)	Sensors- types, specifications and resolutions.
December (Week-3)	Various artificial satellites series.
December (Week-4)	Remote sensing applications in land use/land cover, urban, water resources and environment studies;
January (Week-1)	Remote sensing set up and programmes in India.

05 Jan. 2021 to 06 Feb. 2021

Month/Week	Topic
January (Week-2)	Geographic Information System (GIS) – Meaning and Basic concepts.
January (Week-3)	Components of GIS; Functions in GIS - data input, storage, maintenance, manipulation, analysis and output.
January (Week-4)	GIS data - spatial and non spatial data; Data formats - raster and vector.
February (Week-1)	Integration of Remote Sensing and GIS; Data sources.

06 Feb. 2021 to 25 Feb. 2021

Month/Week	Topic
February (Week-2)	Applications of GIS in Geographical studies
February (Week-3)	ASSIGNMENT AND TEST
February (Week-4)	REVISION: ORAL AND WRITTEN

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Lesson Plan Session 2020-21

Name of the Assistant/Associate Professor: MRS. REKHA
Class and Section: M.A FINAL YEAR
Subject: GEOGRAPHY
Paper: GEOGRAPHY OF TRANSPORT
Year/Semester: 3 rd

06 Oct. 2020 to 05 Nov. 2020

Month/Week	Topic
October (Week-2)	TRANSPORT GEOGRAPHY: introduction, meaning, definition, Nature and Scope of Transport Geography.
October (Week-3)	Geographic Relevance of Transportation, Transport and Development: Conceptual Frameworks; Theoretical Framework.
October (Week-4)	Models of Global Relevance: (i) The Vance Model, (ii) The Rimmer Model,
November (Week-1)	Models of Global Relevance: (iii) The Taaffe, Morrill and Gould Model.

06 Nov. 2020 to 05 Dec. 2020

Month/Week	Topic
November (Week-2)	The Modes of Transport: Introduction to Modes of Transport

November (Week-3)	The Modes of Transport: Modal Characteristics of Roads, types of roads, benefits of roads and distribution of roads transport.
November (Week-4)	The Modes of Transport: Modal characteristics of railways, types of railway lines, distribution of rail transport and benefits of rail transport.
December (Week-1)	The Modes of Transport: Ropeways and Cableways and Airways, their benefits and their distribution.

06 Dec. 2020 to 05 Jan. 2021

Month/Week	Topic
December (Week-2)	Structural Analysis of Transport Networks: introduction, Networks and its definitions, Networks Graphs and Types.
December (Week-3)	Measures of Individual Elements of Transportation Networks: Mileage Matrix, Nodality Matrix.
December (Week-4)	Measures of Individual Elements of Transportation Networks: Weighted Mileage Matrix, Weighted Nodality Matrix, Gross accessibility.
January (Week-1)	Connectivity of Networks: Introduction, meaning, Cyclomatic Number, Diameter.

05 Jan. 2021 to 06 Feb. 2021

Month/Week	Topic
January (Week-2)	Connectivity of Networks: ; Alpha, Beta, Gamma, Eta, Pie, Theta and Iota indices.
January (Week-3)	Development of Road Transport in Haryana: Growth and Development of Roads in Haryana
January (Week-4)	Development of Road Transport in Haryana: Types of Roads, Levels of Road Transport in Haryana,
February (Week-1)	Levels of Road Connectivity in Haryana: Very high level, high level, medium level. Low level.

06 Feb. 2021 to 25 Feb. 2021

Month/Week	Topic
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February (Week-2)	Problems of Road Transport in Haryana.
February (Week-3)	ASSIGNMENT AND TEST
February (Week-4)	REVISION: ORAL AND WRITTEN

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Lesson Plan Session 2020-21

Name of the Assistant/Associate Professor: MRS. REKHA
Class and Section: M.A FINAL YEAR
Subject: GEOGRAPHY
Paper: RESEARCH METHODOLOGY
Year/Semester: 4th semester

15 April 2021 to 15 May 2021

Month/Week	Topic
April (Week-3)	Research: introduction, Meaning and Purpose of Research, Types of Research.
April (Week-4)	Social Science Research: introduction, definition, objective and types of social science research and its importance.
May (Week-1)	Identification of Research Question and Literature Surveying; Methods and Methodology in Human Geography.
May (Week-2)	Scientific Method in Human Geography: introduction, Analytical Steps of the Scientific Method.

16 May 2021 to 15 June 2021

Month/Week	Topic
May (Week-3)	The Routes of Scientific Explanation: introduction, Deductive and Inductive forms of reference.
May (Week-4)	Explanation in Geography: Some Problems related scientific explanation.
June (Week-1)	From Quantitative to Qualitative Geography: introduction, methods of quantitative and qualitative geography.
June (Week-2)	Qualitative Data Production: Interview, Process of Interviewing, Structure interviews and informal surveys.

16 June 2021 to 15 July 2021

Month/Week	Topic
June (Week-3)	Depth Interviewing and Working with Groups, importance for research.
June (Week-4)	Observation: introduction, meaning and Participant Observation and Ethnography.
July (Week-1)	Interview and observation through ppt.
July (Week-2)	REVISION: ORAL AND WRITTEN TEST.

16 July 2021 to 05 August 2021

Month/Week	Topic
July (Week-3)	Process of Research Report Writing; Reference styles-Harvard, Chicago.
July (Week-4)	Ethics in Research.
August (Week-1)	ASSIGNMENT AND TEST.

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Lesson Plan Session 2020-21

Name of the Assistant/Associate Professor: MS. NISHA
Class and Section: M.A FINAL YEAR
Subject: GEOGRAPHY
Paper: GEOGRAPHICAL THOUGHT
Year/Semester: 4 th semester

15 April 2021 to 15 May 2021

Month/Week	Topic
April(Week-3)	Development of Geographical Knowledge: classification of knowledge; place of geography in the classification of knowledge.
April(Week-4)	Relationship of geography with other natural and social sciences; subject matter of geography.
May (Week-1)	Pre-scientific geographical ideas and emergence of scientific geography.
May (Week-2)	Influence of Kant: its contributions in geography.

16 May 2021 to 15 June 2021

Month/Week	Topic
May (Week-3)	Classical Period of Modern Geography: Humboldt and Ritter; legacy of Humboldt and Ritter.
May (Week-4)	Dualisms and dichotomies: physical and human, systematic and regional, and general and particular.
June(Week-1)	Unification of Geography- Richthofen and Hettner. Social Origins of Environmental Determinism.
June (Week-2)	Possibilism, Regional concept, Vidal de la Blache and its contribution in geography.

16 June 2021 to 15 July 2021

Month/Week	Topic
June (Week-3)	Modern Geography since 1950s: Quantitative revolution and positivism; locational analysis.
June (Week-4)	Reactions to scientific positivism and development of ‘human centred theories.
July (Week-1)	Human Centred theories: Behavioural, humanistic and radical approaches.
July (Week-2)	REVISION: ORAL AND WRITTEN.

16 July 2021 to 05 August 2021

Month/Week	Topic
July (Week-3)	Beginnings of Contemporary Geography: Structuralism and structuration; post-structural and post-colonial critique.
July (Week-4)	Feminist and gender geography; the post-modern perspectives in geography; geography, neoliberalism and globalization.
August (Week-1)	ASSIGNMENT AND TEST.

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Name of the Assistant/Associate Professor: MRS. ANNU
Class and Section: M.A FINAL YEAR
Subject: GEOGRAPHY
Paper: ARICULTURAL GEOGRAPHY
Year/Semester: 4 th semester

15 April 2021 to 15 May 2021

Month/Week	Topic
April(Week-3)	Definition, nature, scope, and significance of agricultural geography;
April(Week-4)	Factors influencing agricultural patterns- physical factors; terrain, climate,
May (Week-1)	Soils and water resources. Institutional factors; demographic, land holding ,
May (Week-2)	farm family structure, caste, religion, peasant way of life, infrastructural services;

16 May 2021 to 15 June 2021

Month/Week	Topic
May (Week-3)	Technological factors, irrigation mechanical inputs.
May (Week-4)	Agricultural system of the world : Whittlessey's classification- shifting cultivation, plantation farming,
June(Week-1)	Mediterranean agriculture, commercial grain farming, agricultural region concept and techniques;
June(Week-2)	Normative technique, empirical technique,

16 June 2021 to 15 July 2021

Month/Week	Topic
June (Week-3)	Single element technique and statistical technique.
June (Week-4)	Whittlesset's classification-shifting cultivation test, plantation farming test
July (Week-1)	Nature, significance and classification of agricultural models; economic models
July (Week-2)	REVISION: ORAL AND WRITTEN.

16 July 2021 to 06 August 2021

Month/Week	Topic
July (Week-3)	Descriptive models; food security
July (Week-4)	Sustainable agriculture; WTO and Agriculture.
August (Week-1)	ASSIGNMENT AND TEST.

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Lesson Plan Session 2020-21

Name of the Assistant/Associate Professor: MRS. ANNU
Class and Section: M.A FINAL YEAR
Subject: GEOGRAPHY
Paper: Water resource and management
Year/Semester: 4th semester

15 April 2021 to 15May 2021

Month/Week	Topic
April(Week-3)	Water as a focus of geographical interest;
April(Week-4)	Hydrological cycle; factor affecting water resource – physical factors,
May (Week-1)	Climatic factors,geological factors
May (Week-2)	Groundwater and its occurrence

16 May 2021 to 15 June 2021

Month/Week	Topic
April (Week-3)	Consolidated formation, semi-consolidated formation
April (Week-4)	Uncosolidated formation. Utilization of water resources;

May(Week-1)	Groundwater test , problems of groundwater utilization
May (Week-2)	Groundwater quality, groundwater salinity,

16 June 2021 to 15 July 2021

Month/Week	Topic
May (Week-3)	Waterlogging, problems of groundwater utilization test
May (Week-4)	Groundwater depletion, Surface pollution
June (Week-1)	Groundwater pollution; water scarcity;
June (Week-2)	REVISION: ORAL AND WRITTEN.

16 July 2021 to 06 August 2021

Month/Week	Topic
June (Week-3)	Water resource management- definition, functions and strategies
June (Week-4)	Revision
July (Week-1)	ASSIGNMENT AND TEST.