

Government College For Women, Mahendragarh, Haryana, 123029

Department of Geography

Name Of The Extension Leturer : Mrs.PoonamYadav

Class : M sc Final – Environmental Geography

Session : 2024-25

Subject Lesson Plan: 18Weeks (22 July to 24 November): Environmental *Geography*

Week1 Environmental Geography: meaning, and scope Principles of Ecology; Human ecological adaptations; Influence of man on ecology and environment;

Week 2 Principles of Ecology; Human ecological adaptations; Influence of man on ecology and environment;

Week 3 Global and regional ecological changes and imbalances, Concept of Environment; Components of environment – abiotic &

Week 4 biotic types of environment; Biodiversity and Biosphere Reserve, Ecosystem: concept, types, components, and functions

Week 5 Energy flow in ecosystem: food chain, food web, trophic levels, ecological production and ecological pyramids. Biogeochemical cycles: hydrological, carbon, oxygen

Week 6 nitrogen cycles. Ecosystems- their management, nitrogen cycles. Ecosystems- their management

Week 7 conservation; Ecological regions of India, conservation; Ecological regions of India

Week 8 Environmental Degradation–meaning, types, causes, management and conservation

Week 9 Environmental Pollution- meaning, types, sources, causes and effects of environmental pollution with special reference to air pollution and water pollution

Week 10 Environmental Hazards: earthquakes, volcanoes, tsunamis, floods, droughts, famines

Week 11 distribution, causes, consequences and measures Global warming and climate

change - Green

house effect; Ozone depletion; Acid Rain; Urban smog.

Week.12 Environmental education and legislation; Environment Impact Assessment (EIA, Global Summits and Agencies of Environmental Conservation, .Environmental issues

Week 13 Assignment & Test policies in India, policies in India

Week 14 Assignment & Test.

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Department of Geography

Name Of The Extension Leturer : Mrs.PoonamYadav

Class : B A – 2nd Physical geo. 201

Session : 2024-25

Subject Lesson Plan: 18 Weeks (22 July to 24November)

Week 01

Weather And Climate; Origin, Composition,

Week 02

Structure Of Atmosphere,

Week 03

Insolation, Global Heat Budget,

Week 04

Horizontal And Vertical Distribution Of Temperature,

Week 05

Inversion Of Temperature.

Week 06

Atmospheric Pressure- Measurement And Distribution, Pressure Belts, Planetary Winds,

Week 07

Monsoon, Jet Streams El Nino- La Nina Phenomenon And Local Winds,

Week 08

Humidity- Measurement And Variables, Evaporation, Condensation,

Week 09

Precipitation Forms And Types And Distribution, Hydrological Cycle.

Week 10

Air Masses- Concept And Classification; Fronts- Type And Characteristics,

Week 11

Weather Disturbances- Tropical And Extra-Tropical Cyclones,

Week 12

Climate Classification By Koppen, Circulation In Pacific, Atlantic And Indian Oceans,

Week 13

Climatic Change And Global Warming. Configuration Of Oceanic Floors And Surface Relief Of Pacific,

Week 14

Surface Relief Of Atlantic And Indian Oceans, Temperature And Salinity Of Oceans
Oceanic Resources.

Week 15

Repetition & Problem Solving

Week 16

Repetition & Problem Solving

Week 17

Repetition & Problem Solving

Department of Geography

Name Of The Extension Leturer : Mrs.PoonamYadav

Class : B A –2nd 202 Representation of climatic data(Practical)

Session : 2024-25

Subject Lesson Plan: 18Weeks (22 July to 24November)

Week 1 Measurement of temperature, rainfall , pressure and humidity

Week 2 Representation of temperature and rainfall , Line and Bar Graph

Week 3 Distribution of temperature, Distribution of rainfall

Week 4 Hythergraph, Rainfall deviation diagram

Week 5 Climograph

Week 6 Climograph

Week 7 Distribution of pressure

Week 8 Weather map Interpretation

Week 9 Change and tape survey

Week 10 Practice and problem solve

Week 11 Practice and problem solve

Week 12 Practice and problem solve

Week 13 Practice and problem solve

Week 14 to17 Practice and problem solve

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Department of Geography

Name Of The Extension Leturer : Mrs.PoonamYadav

Class : M sc Pre Advanced Geography of India

Session : 2024-25

Subject Lesson Plan: 17Weeks (7 August to 30 November):

Week1 India as a Geographical Entity & land of diversity

Week 2 Physiographic divisions

Week 3 and regionalization schemes of India

Week 4 Indian monsoon, climatic regions and concept of seasons.

Week 5 Drainage: patterns, type and distribution; water regime of Indian rivers.

Week 6 Soils and vegetation: distribution, characteristics and associated problems.

Week 7 Social basis of identity: regional dimensions.

Week 8 Demographic Trends (density, age and sex composition, literacy, urbanization, population change); Socio-cultural regions of India by Sopher

Week 9 Agriculture: traditional and modern farming, agricultural market and credit: significance and challenges.

Week 10 .. Significances and challenges in the allied sectors of India agriculture- fishery, horticulture, poultry, animal husbandry and milk production.

Week 11 . Green revolution, White revolution and Blue revolution; impact and challenges

Week 12. Industrial complexes and industrial regions, challenges to industrial development,

Week 13 industrial policies, and start-up programs in India.

Week 14 Trade and transport: significance and status.

Week 15 to17 Assignment & Test