

**Government College For Women, Mahendragarh, Haryana, 123029**

*Department of Geography*

**Name Of The Ext. Lecturer : Annu Yadav**

*Class : M.Sc.Pre.- Semester II*

**Session : 2024-25**

**Subject Lesson Plan: 15 Weeks : Oceanography (GEOG209)**

**Week 1**

Definition, Nature and Scope of Oceanography; Oceanography and other branches of knowledge; Distribution Pattern of Land and Water.

**Week 2**

Origin of Ocean Basins: Wegner's Drift Hypothesis, Sea Floor Spreading and Plate tectonics.

**Week 3**

Features of Ocean Basins; Continental Margins and Deep Oceanic Basins; Oceanic Floor Profile: Continental shelf, Slope, Ridge and Deeps, Abyssal Plains; Submarine Canyons.

**Week 4**

Coral reefs: Types, Origin and Distribution; Configuration of Ocean Floor of Indian, Atlantic and Pacific Ocean.

**Week 5**

Ocean Currents: origin, types and dynamics; Currents of Pacific, Atlantic, and Indian ocean; Impact of ocean currents.

**Week 6**

Physical properties of sea water: Temperature and Density; Chemical properties: Salinity and Dissolved Gases.

**Week 7**

Waves, Tides and Tsunami.

**Week 8**

Ocean deposits.

**Week 09**

Oceans as source of food, mineral.

**Week 10**

Energy resources - evidences, mechanism and impact.

**Week 11**

Global warming and sea-level changes; Impact of Humans on the Marine Environment.

**Week 12**

Repetition with Problem Solving, Tests & Assignments...

**Week 13**

Repetition with Problem Solving, Tests & Assignments...

**Week 14**

Repetition with Problem Solving, Tests & Assignments...

**Week 15**

Repetition with Problem Solving, Tests & Assignments...

**Government College For Women, Mahendragarh, Haryana, 123029**

*Department of Geography*

**Name Of TheExt. Lecturer : Annu Yadav**

*Class : B.A. 1<sup>st</sup>- Semester II*

**Session : 2024-25**

**Subject Lesson Plan: 15 Weeks: Physical Geo. (103)****Week 1**

Definition, Nature, scope and fields of Physical Geography.

**Week 2**

Interior of the earth.

**Week 3**

Geological time scale and rocks.

**Week 4**

Earth movements; organic, eperogenic.

**Week 5**

Earthquakes and volcanoes.

**Week 6**

Theory of Isostasy, Wegner's theory of continental drift.

**Week 7**

Plate tectonic theory, Weathering; causes and its types.

**Week 8**

Mass-movements; causes, its types and impacts.

**Week 9**

Concept of cycle of erosion; cycle of erosion by W.M. Davis.

**Week 10**

Process of Wind & River.

**Week 11**

Process of underground water & glaciers.

**Week 12**

Repetition with Problem Solving, Tests & Assignments...

**Week 13**

Repetition with Problem Solving, Tests & Assignments...

**Week 14**

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**Week 15**

Repetition with Problem Solving, Tests & Assignments...

**Government College for Women, Mahendergarh, Haryana, 123029**

Department of Geography

**Name of the Extension Lecturer: Annu Yadav**

Class and Semester: M.Sc. Final (Semester IV)

**Session: 2024-25**

**Subject Lesson Plan: 15 Weeks: Geography and Disaster Management (GEOG402)**

**Week 1**

Definition and nature of disasters, Basic concepts: Hazards and Disaster, Classification/Types of Hazards/Disasters.

**Week 2**

Disaster management: meaning, concept, principal, scope, objectives and approaches, Elements of disaster management.

**Week 3**

Geography and Disaster: Major disaster of world and India.

**Week 4**

Tectonic Disasters: Volcano, Earthquake, Tsunami and Landslides.

**Week -5**

Hydrological Disaster: Floods and Droughts.

Climatic Disasters: Cyclones and Heavy precipitation, Human induced Disasters.

**Week 6**

Disasters: Industrial and Transport Disaster, Wars and Terrorism induced Disaster.

**Week 7**

Disaster Mitigation: Hazard assessment, Vulnerability assessment and affecting factors, risk assessment and affecting factors, protective measures and public information.

**Week 8**

Disaster Preparedness: Disaster plan, Damage inspection, repair and recovery procedures, communication and control centers, disaster forecasting, warning and prediction.

**Week 9**

Disaster relief: rapid damage assessment, search and rescue operations, Evacuation and shelter, food and medical supply.

**Week 10**

Mass media coverage, relief aid; significance of reconstruction planning; Economic and social rehabilitation.

**Week 11**

Impact of disaster on society and economic; Disaster Management Policies and mechanism in India.

**Week 12**

Remote sensing and GIS in disaster management planning.

**Week 13**

Class Test & Assignment

**Week 14**

Repetition with Problem Solving, Tests & Assignments...

**Week 15**

Repetition with Problem Solving, Tests & Assignments...

**Government College for Women, Mahendergarh, Haryana, 123029**

Department of Geography

**Name of the Extension Lecturer: Annu Yadav**

Class and Semester: B.A. !st (Semester-II)

**Session: 2024-25**

**Subject Lesson Plan: 15 Weeks : REPRESENTATION OF PHYSICAL FEATURES (PRACTICAL) GEO 104**

**Week 1**

Introduction to Topographical Sheets

**Week 2**

India and adjacent countries

a. Degree Sheet

**Week 3**

India and adjacent countries

b. Half Degree Sheet

c. Quarter Degree Sheet

d. Series of Scale

e. Conventional Signs

**Week 4**

Methods of representing relief

**Week -5**

Representation of Topographical features by contours.

**Week 6**

Slopes (Concave, convex, undulating and terraced) Valleys (V Shaped, U shaped, Gorge, Re-entrant)

**Week 7**

Ridges (Conical hill, Volcanic hill, Plateau, Escarpment)

**Week 8**

Complex features (waterfall, sea cliff, overhanging cliff, Fiord coast)

**Week 9**

Drawing of Profiles

**Week 10**

Cross Profiles: Serial, superimposed.

**Week 11**

Projected and composite profiles

**Week 12**

Longitudinal Profiles

**Week 13**

Repetition with Problem Solving & Tests

**Week 14**

Repetition with Problem Solving & Tests

**Week 15**

Repetition with Problem Solving & Tests