

Government College Jassia (Rohtak)

LESSON-PLAN (Session 2025-2026) ODD SEMESTER

Name of Professor- Ms. Priyanka
Subject: Geography

Designation: Assistant Professor
Class: M.A. 1st Semester

Subject/Paper: Climatology

Sr. No.	Months	Topics to be covered
1	July	Nature and Scope of Climatology.
2.	August	Climatic elements—atmospheric temperature, pressure, moisture, general atmospheric circulations, jet stream.
3.	September	Weather system and disturbances—air-mass, fronts, cyclones, tornados; Ocean atmospheric interaction – Elnino, Monsoon winds
4.	October	Global climate system - Approaches to climatic classification; Classification of Koppen, and Thorn Thwaite; Major Climates of the world-tropical and polar.
5.	November	Climatic changes - evidences, possible causes, global warming acid rain and problems of acid rain.

Note-Vacations as per university calendar

2 assignments and unit tests will be taken as per schedule.

Priyanka

Signature/Name of Class In-charge:

GOVT. COLLEGE JASSIA (ROHTAK)

Session 2025-26 (ODD SEMESTER)

NAME OF PROFESSOR- Ms. Priyanka And Dr.Meenu Rani CLASS-B.A. 1st Sem. (VAC)
DESIGNATION-ASSISTANT PROFESSOR SUBJECT/PAPER – 23EV SX01VA01

Paper - Environmental Science

SR. NO.	MONTH	TOPICS TO BE COVERED
1.	July	Introduction to Environmental Studies: Multidisciplinary nature of environmental studies. Scope and importance; Concept of sustainability and sustainable development. Ecosystems: Introduction, types, characteristic features, structure and function of the following ecosystem:- a. Forest ecosystem b. Grassland ecosystem c. Desert ecosystem d. Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries) Unit
2.	August	Renewable and non-renewable resources: Natural resources and associated problems. a) Forest resources: Use and over-exploitation, deforestation. Timber extraction, mining, dams and their effects on forest and tribal people. b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources. d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.
3.	September	e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources. f) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification. Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles.
4.	October	Biodiversity and its conservation: Introduction – Definition: genetic, species and ecosystem diversity. Biogeographical classification of India. Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values Biodiversity at global, National and local levels. Hot-spots of biodiversity. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts. Endangered and endemic species of India. Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity.
5.	November	Environmental Pollution: Definition, Cause, effects and control measures of:- a. Air pollution b. Water pollution c. Soil pollution d. Marine pollution e. Noise pollution f. Thermal pollution g. Nuclear hazards h. Solid waste. Role of an individual in prevention of pollution. Disaster management : floods, earthquake, cyclone and landslides. Water Conservation and its strategies. Climate change – green house gases, acid rain and global warming.

Priyanka

Signature of A/Prof.

GOVERNMENT COLLEGE JASSIA (ROHTAK)

LESSON-PLAN (Session 2025-26) ODD SEMESTER

Name of Professor: Mrs. Preeti Hooda

Designation: Assistant Professor

Subject/Paper: Economic Geography

Class: B.A. 5th Sem

Subject: Geography

Sr. No.	Months	Topics to be covered	Remarks if any,
1	July	1. Nature, scope and relationship of economic geography with economics and other branches of social sciences.	
2	August	2. Classification of economic activities and their impact on environment. 3. World natural resources: Types, bases and classification. 4. Conservation and utilization of natural resources.	Assignment-I
3	September	5. Spatial distribution of food (rice and wheat), commercial (cotton and sugarcane) and plantation crops (tea, rubber and coffee). 6. Classification of mineral resources (ferrous and non-ferrous), distribution and production of coal, iron ore, petroleum and natural gas.	Unit- Test 1
4	October	7. Distribution and production of petroleum and natural gas. 8. Classification of industries, world distribution and production of iron and steel.	Assignment-II
5	November	9. Textile industry, major industrial complexes of the world. 10. Transport, communication and trade: geographical factors in their development,	Unit- Test 2

*Vacation as per university calendar

2 assignments and unit tests will be taken as per schedule.

Signature/Name of Class In-charge:

GOVT. COLLEGE JASSIA (ROHTAK)

Session 2025-26 (ODD SEMESTER)

NAME OF PROFESSOR- Ms. Preeti Hooda
DESIGNATION-ASSISTANT PROFESSOR

CLASS-B.A. 1st Sem. (MDC)
SUBJECT/PAPER - 24GEOX01MD01

Paper – General Geography

SR. NO.	MONTH	TOPICS TO BE COVERED	Classroom Activities
1.	July	Geography: meaning, definition, branches; relation of geography with other disciplines; solar system.	Syllabus discussion Debate on theories of origin of the earth.
2.	August	Core geographic concepts: origin of earth, its shape, rotation and revolution, formation of days, nights and seasons; latitudes and longitudes; earth's interior.	Group Discussion.
3.	September	Earthquake; volcano; types of rocks: igneous, sedimentary and metamorphic; weathering: definitions and classification.	Presentation
4.	October	Composition of atmosphere: gases, water vapour, dust particle; structure of atmosphere; temperature; precipitation: meaning and types.	SESSIONAL EXAM.
5.	November	temperature; precipitation: meaning and types	Revision


Signature of A/Prof.

GOVT. COLLEGE JASSIA (ROHTAK)

Session 2025-26 (ODD SEMESTER)

NAME OF PROFESSOR- Ms. Preeti Hooda
DESIGNATION-ASSISTANT PROFESSOR

CLASS-M.A.. 1st Sem.
PAPER - RESOURCE GEOGRAPHY

SR · N O.	MONTH	TOPICS TO BE COVERED	Classroom Activities
1	July	Nature, scope and significance of Geography of resource;	Discuss about Practical use of resources in real life.
2.	August	Definition and concept of resources; Classification of resources. Models of Natural resource processes;	Group Discussion.
3.	September	Zimmerman's primitive and advance models of natural resource process; Kirk's Decision Model, Brookfield System Model	PPT Presentation
4.	October	Use and misuse of resources; Soil resource; Water resource, Forest resource and Mineral resource; future prospects of natural resources.	SESSIONAL EXAM.
5.	November	Conservation and management of natural resources, meaning and concept of conservation of natural resources, Resource conservation and management methods of natural resources- soil resources, water resource and forest resource; Problem of natural resource management in India.	Revision

Signature of A/Prof.

Government College Jassia (Rohtak)

LESSON-PLAN (Session 2025-2026) ODD SEMESTER

Name of Professor- Dr. Meenu Rani
Subject: Geography

Designation: Assistant Professor
Class: B.A. 1st sem. SEC 24GEO401SE01

Subject/Paper: Fundamentals of Geospatial Techniques (Practical)

Sr. No.	Months	Topics to be covered
1	July	Geometric elements of aerial photographs; stereoscopy; stereoscopic vision (pocket stereoscope, mirror stereoscope); making stereograms;
2.	August	fundamentals of aerial photo interpretation: elements of visual air photo interpretation. Comparison between aerial photograph and satellite image;
3.	September	Scale determination on vertical aerial photograph; identification and mapping of physical and cultural features on an image (two exercises each).
4.	October	Introduction to GIS – definition and concept; hardware and software requirements for GIS;
5.	November	creating basic layers in GIS (point, line and polygon) with any GIS software/manual.

Note-Vacations as per university calendar

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Meenu (Dr. Meenu Rani)
Signature/Name of Class In-charge:

Government College Jassia (Rohtak)

LESSON-PLAN (Session 2025-2026) ODD SEMESTER

Name of Professor- Dr. Meenu Rani
Subject: Geography

Designation: Assistant Professor
Class: M.A. 1st Semester

Subject/Paper: Statistical Methods in Geography

Sr. No.	Months	Topics to be covered
1	July	Statistics, Geography and Statistics; Significance of Statistics in geographical studies.
2.	August	Primary and Secondary Data; Levels of data measurement: Nominal, Ordinal, Interval, and Ratio.
3.	September	Measures of Central Tendency: Arithmetic Mean, Median, Mode and their geographical significance; Centrographic techniques: Mean Centre, Median Centre and Standard Distance.
4.	October	Measures of dispersion and concentration: Mean deviation, Standard Deviation; Coefficient of Variation, Lorenz Curve and Gini's Coefficient; Location Quotient. Correlation and regression: Scatter diagram,
5.	November	Correlation by Spearman's Rank Difference and Karl Pearson's Product Moment, Significance testing of Correlation; Regression analysis regression equations construction of regression line, computation of residuals and mapping.

Note-Vacations as per university calendar

2 assignments and unit tests will be taken as per schedule.

Meenu (Dr. Meenu Rani)

Signature/Name of Class In-charge: