

LESSON PLAN

Name of the College G.C.W. Sonapat

Name of Professor NARESH KUMAR

Session 2023-24

Paper - 401

Subject CLIMATOLOGY

Class B.A.G.H. ~~III~~
Sem

Sr. No	Month	Topic
1.	January 2024	<u>Unit I</u> :- Meaning and scope of climatology; Climate and weather, elements of climate, Factors affecting climate; Composition and structure of atmosphere; atmospheric temperature: vertical and horizontal distribution.
2.	February 2024	Unit-II Atmospheric Pressure and wind distribution; Atmospheric moisture: humidity, evaporation and forms of condensation; types of precipitation; World Patterns of rainfall.
3.	March 2024	Unit-III Air masses: Concepts and Classification; atmospheric disturbances; tropical and temperate cyclones and anticyclones.
4.	April 2024	Unit-IV Climatic regions; Classification of Koppen and Thornthwaite; Climate Changes and Global Warming: evidences, Causes, Consequences and measure of its control.

N. Kumar
Sign of Teacher

LESSON PLAN

Name of the College G.C.W. Sonapat

Name of Professor NARESH KUMAR

Session 2023-24

(405)

Subject Thematic
Cartography

Class B.A. Geo. Hons
IV sem.

Sr. No	Month	Topic
1.	January 2024	Unit -1 Cartography : an introduction ; techniques in thematic data presentation : Bar line and Circle diagram, Eco graph, Hythergraph and Climograph.
2.	February 2024	UNIT-2 Techniques in thematic mapping : Selection of class intervals : areal data : choropleth, dot method, Proportional circles and Spheres ; Point data : isopleths : linear data : flow line.
3.	March 2024	UNIT-3 Cartographic Overlays : Point and line and areal data ; choropleth maps to be overlain by bar diagrams / line graphs / Circles, dot maps to be overlain by proportional circles / Spheres.
4.	April 2024	Revision & Test.

N Kumar

Signature of Teacher

LESSON PLAN

Name of the College *G.C.W. Sonapat*
Name of Professor *NARESH KUMAR*
Session *2023-24*

G.E.T-202
Climatology &
Subject *Oceanography*
Class *B.A. IV Sem*

Sr. No	Month	Topic
1.	January 2024	1. Weather & Climate change origin, Composition and Structure of atmosphere. 2. Isolation, Global heat budget, Horizontal and Vertical distribution of temperature, inversion of temperature.
2.	February 2024	3. Atmospheric Pressure - measurement & distribution, Pressure belts, planetary winds & local winds. 4. Humidity - measurement and variables, Evaporation, Condensation, Precipitation - form, types & distribution.
3.	March 2024	5. Air masses - Concept & Classification; Fronts - type and characteristics; weather disturbances - tropical and extra-tropical cyclones. 6. Climatic change and Global warming.
4.	April 2024	7. Ocean floors and Surface relief of Pacific, Atlantic and Indian Oceans; Salinity of Oceans. 8. Oceanic currents; Circulation in Pacific, Atlantic and Indian Oceans; Oceanic resources.

N. K. Sonpat

LESSON PLAN

Name of the College Gr. C. W. Sonapat

Name of Professor NARESH

Session 2023-24

(G.E.P.-202)
Subject Map Projection

Class B.A. II P.C.

	Month	Topic
1.	January 2024	1. Cylindrical:- Simple cylindrical Projection, cylindrical Equal Area Projection, Mercator's.
2.	February 2024	2.) Conical:- Conical Projection with one standard Parallel, Conical Projection with Two standard Parallel, Conic Projection, Polyconic Projection.
3.	March 2024	3.) Zenital:- Polar cases only:- Perspective Projections: Gnomonic, Stereographic and orthomorphic Perspective Projections:- Equidistant, Equal Area.
4.	April 2024	4.) Conventional:- Sinusoidal Projection, Mollwedies Projection.

N. N. N.

LESSON PLAN

Name of the College G. C. W. Sonapat
 Name of Professor NARESH KUMAR
 Session 2023-24

GET-302
 Environmental
 Geography
 Subject
 Class B.A. 6th Sem

Sr. No.	Month	Topic
	January 2024	Environmental Geography: Definition, scope and approaches of Environmental Geography, components of environment. Ecosystem:- Meaning types, components and functioning of Ecosystem.
2.	February 2024	Man - Environment relationship! Man's interaction with environment. Historical perspective with references to early period of industrialization and period of science and Technology.
3.	March 2024	Biomes - meaning types, Tropical evergreen forest biome, Monsoon deciduous forest biome, Mediterranean biome. Environmental Degradations! Meaning, Types, process of Degradations case of environmental problems, Deforestation conservation measures, Ozone depletion and its effects.
4.	April 2024	Environmental Hazards and disasters - meaning, concept and type of Natural Hazards/ Disaster. Environmental pollution and Management:- Definition, factors, type sources. Types of air and water pollutions and Management in India. Law and environmental Policies of India.

Kumar
 Sign of Teacher

LESSON PLAN

Name of the College G.C.W. Sonapat
Name of Professor NARESH KUHAR
Session 2023-24

GEP-302
Computer App
in Geog &
Subject Field Report
Class B.A. 1st Sem

Sr. No	Month	Topic
1.	January 2024	Computer ÷ use of Computer in Geography, use of Internet.
2.	February 2024	Field report ÷ Collection of data and report writing.
3.	March 2024	A report of market or traffic or village or a locality survey can be submitted.
4.	April 2024	Revision & Test

Kumar
Sign. of Teacher

LESSON PLAN

Name of the College G.C.W. Sonapat
Name of Professor NARESH KUMAR
Session 2023 - 24

GET-201
Subject Geomorphology
Class B.A. III Sem
Pass Course

Sr. No	Month	Topic
5.	July 2023	1) Define Nature, scope and field of geomorphology. 2) Interior of the Earth, Geological time scale and rocks.
6.	August 2023	1) Earth movements: Earthquake and Volcanoes 2) Theory of Isostasy: Wegner's theory of continental drift and plate Tectonic theory
7.	September 2023	1) Weathering: Causes and its Type 2) Mass-movements: Cause, its type and impact.
8.	October 2023	1) Concept of cycle of erosion; Cycle of erosion by WM Davis and Penck. 2) Process of wind, River, Underground water, glaciers and sea water.
9.	November 2023	Revision & Test


Signature of Teacher

LESSON PLAN

Name of the College G.C.W. Sonapat
Name of Professor NARESH KUMAR
Session 2022-24

(301)
Subject Geomorphology
Class B.A.-III Sem.-G-M

Sl. No.	Month	Topic
	July 2023	Nature and scope of Geomorphology Fundamental concepts, Plate tectonics, Theory of isostasy; Pratt and Airy; geological time scale.
	August 2023	The earth's interior, Endogenic forces: Folds and Faults and associated topography volcanoes and earthquakes
7.	September 2023	Ocean Floor Relief Indian, Atlantic and Pacific, Oceanic - Salinity and Temperature.
8.	October 2023	Circulation of Oceanic water Current Oceanic resources
9.	November 2023	Revision & Test

N Kumar
Signature of Teacher

LESSON PLAN

Name of the College G.C.W. Sonapat
Name of Professor NARESH KUMAR
Session 2023 - 24

Subject Map Projection
305 (P)
Class B.A.G.H. IIIrd Sem

Sr. No.	Month	Topic
5.	July 2023	Map projections: Meaning, concept, classification, Pros and cons
6.	August 2023	Construction of map projection: Zenithal.
7.	September 2023	Gnomonic, Stereographic, Conical Bonne's And Polyconic.
8.	October 2023	Construction of Map Projection: Cylindrical Mercator, Conventional.
9.	November 2023	Sinusoidal and Mollweide. Revision & Test


Signature of Teacher

LESSON PLAN

Name of the College
Name of Professor NARESH KUMAR
Session 2023 - 24

G.E.T-301
Subject Population Geography
Class 5 Sem

Month	Topic
July 2023	Unit-1 Population geography: Nature & scope of population in the Geography. 1) sources & nature of population data in India: census, National sample surveys and sample Registration system.
August 2023	Unit-2-3 Population growth: factors affecting, Population growth, Population growth in India from 1901-2011. 4) Population Theories - Malthusian theory of population growth & its relevance in modern context. Demographic transition Theory. 5) concepts of optimum population, Over population, over population.
September 2023	Unit-3 (7-6) Population: factors affecting Distribution of population in India-2011. 7) Population density: factors affecting density, Density of population in India, 2011. 8) fertility: factors affecting fertility & fertility in India 2011, Mortality: factors affecting mortality Mortality in India 2011. 9) sex composition: factors affecting sex composition & sex Ratio in India 2011.
October 2023	Unit-4 (8-10) Migration: factors affecting Migration. Types of Migration, consequences of Migration 1) Urbanization - Meaning & factors affecting Urbanization in India 2011. 12) Population Problems and Policies in India.
November 2023	Revision & M.T.P (Test)

Kumar
Signature of Teacher

LESSON PLAN

Name of the College

Name of Professor NARESH KUMAR

Session 2023-24

GEP-301

Subject Statistical Method

Class B.A-5th Sem

Sr. No.	Month	Topic
	July 2023	Importance of Statistics in data analysis.
6.	August 2023	Measures of Central Tendency, Arithmetic Mean, Median, Mode.
7.	September 2023	Measures of Dispersion: Standard Deviation and Co-efficient of Variability.
8.	October 2023	Scatter Diagram, Correlation: Carl Pearson's Method, Rank correlation.
9.	November 2023	Test & Revision


Signature of Teacher

LESSON PLAN

Name of the College G.C.W. Sonapat
Name of Professor NARESH KUMAR
Session 2023-24

G.E.P.-201

Weather Maps

Subject ⁺
Topographical Sheet

Class B.A. III Sem
Pass Course

Month	Topic
July 2023	Weather maps; General Introduction to study of Weather Maps. Scheme of weather Symbols employed India, Daily Weather Maps.
August 2023	Weather in India Summer season (period of Summer Monsoon), Winter season. Forecasting of weather through the study of Weather Maps & recent advances in weather forecasting
September 2023	Representation of features and slopes: Uniform, Undulating, Gentle, Concave, Convex slopes
October 2023	Conical hill, Volcanic hill, V. shaped valleys, U shaped valley, spur, Col, Sand dunes, Re-Entry saddle
November 2023	Waterfall, Rapids, Sea cliff, Over Hanging cliff

N Kumar
Signature of Teacher