

Govt.P.G.College,Safidon(Jind)-126112

Session:2023-2024 (Odd Semester)

Lesson Plan

Name of Teacher:..Sh.Sandeep

Subject:...GEOGRAPHY

Class...B.A.II Year (III Semester)

Sr.No.	Week	Date	Topic
1	1st	24 July – 01 Aug	Weather and Climate. Factor affecting climate
2	2nd	02 Aug - 09 Aug	Composition and Structure of the Atmosphere
3	3rd	10 Aug - 17 Aug	Insolation and Temperature:-Insolation,
4	4th	18 Aug – 25 Aug	Factor Affecting Insolation, Heating and Cooling of the Atmosphere,
5	5th	26 Aug – 3 Sept	Heat Budget of the Earth,
6	6th	04 Sept – 11 Sept	Factor controlling Temperature.
7	7th	12 Sept – 19 Sept	Horizontal and Vertical distribution of Temperature
8	8th	20 Sept – 27 Sept	Inversion of Temperature, Atmospheric Pressure and Winds
9	9th	28 Sept – 05 Oct	Atmospheric Pressure and Winds
10	10th	06 Oct – 13 Oct	Atmospheric Humidity and Precipitation
11	11th	14 Oct- 21 Oct	Airmasses, Fronts and Cyclones
12	12th	22 Oct – 30 Oct	Climatic Classification
13	13th	02 Nov – 09 Nov	Climatic Change and Global Warming.
14	14th	14 Nov – 21 Nov	Surface Configuration of the Ocean Floor, Temperature. Salinity of Oceanic Waters
15	15th	22 Nov – 30Nov	Circulation of the Oceanic Waters, Oceanic Resources
16	16th	29Nov – 03 Dec	REVISION

Name of Teacher:..Sh.Balvinder
Class...M.Sc. (P)

Subject:....Climatology

Sr.No.	Week	Date	Topic
1	1st	24 July – 01 Aug	Introduction to Atmospheric Sciences: Aerology, Meteorology and Climatology.
2	2nd	02 Aug - 09 Aug	Nature and Scope of climatology.Origin of atmosphere.
3	3rd	10 Aug - 17 Aug	Solar Radiation: Heat budget of Earth and Atmosphere. Temperature:factor affecting and its horizontal and vertical distribution.
4	4th	18 Aug – 25 Aug	Atmospheric pressure, its relation with temperature and other atmospheric factors, world pressure belts and global distribution pattern of pressure.
5	5th	26 Aug – 3 Sept	Atmospheric circulation: Major wind belts of earth
6	6th	04 Sept – 11 Sept	Walker circulation; El Nino, La Nina
7	7th	12 Sept – 19 Sept	ENSO, Monsoon: theories of its origin
8	8th	20 Sept – 27 Sept	characteristics of Indian monsoon
9	9th	28 Sept – 05 Oct	Precipitation: process, forms, and theories. Types and world distribution of rainfall.
10	10th	06 Oct – 13 Oct	Stability and instability of atmosphere: air masses, fronts, origin and characteristics of extra tropical and tropical cyclones.
11	11th	14 Oct- 21 Oct	Climatic classification of world by Koeppen
12	12th	22 Oct – 30 Oct	Climatic classification of world by Thornthwaite.
13	13th	02 Nov – 09 Nov	Climatic change: reconstruction of past climate (Dendrochronology and Pollen studies)
14	14th	14 Nov – 21 Nov	Theories of climate change
15	15th	22 Nov – 30Nov	Human induced climate change and Global warming. Impacts of climate change on agriculture and vegetation of world.
16	16th	29Nov – 03 Dec	REVISION

Name of Teacher...Smt.Nisha
Class...M.Sc (P) (I Semester)

Subject:... Geography of India

Sr.No.	Week	Date	Topic
1	1st	24 July – 01 Aug	India: Geographical outline and physiographic divisions.
2	2nd	02 Aug - 09 Aug	India: Geographical outline and physiographic divisions.
3	3rd	10 Aug - 17 Aug	Climate: characteristics, significance and climatic divisions of India as given by Koppen.
4	4th	18 Aug – 25 Aug	Soil : types, their distribution, characteristics and conservation.
5	5th	26 Aug – 3 Sept	Natural vegetation: types, their distribution, characteristics and conservation
6	6th	04 Sept – 11 Sept	Agriculture: Major Characteristics and Problems of Indian agriculture; agro-climate region
7	7th	12 Sept – 19 Sept	Green revolution: its impact and drawbacks.
8	8th	20 Sept – 27 Sept	Irrigation: development, means of irrigation, major, medium, micro irrigation projects and watershed management.
9	9th	28 Sept – 05 Oct	Production, distribution, utilization and conservation of power resources: Coal, Petroleum, Hydropower.
10	10th	06 Oct – 13 Oct	Production and distribution of (a) iron and steel
11	11th	14 Oct- 21 Oct	Production, distribution, utilization and conservation of power resources :Petroleum
12	12th	22 Oct – 30 Oct	Production, distribution, utilization and conservation of power resources: Hydropower.
13	13th	02 Nov – 09 Nov	Cotton textile , IT and Automobile industry.
14	14th	14 Nov – 21 Nov	Cotton textile , IT and Automobile industry.

15	15th	22 Nov – 30Nov	New industrial policy of India.
16	16th	29Nov – 03 Dec	REVISION

Name of Teacher...Dr.Hariom.
Class.....M.Sc (P) (I Semester)

Subject:... Quantitative Methods

Sr.No.	Week	Date	Topic
1	1st	24 July – 01 Aug	Descriptive Statistics: Histogram and Frequency Curve, Measures of Central Tendency: Mean
2	2nd	02 Aug - 09 Aug	Descriptive Statistics: Histogram and Frequency Curve, Measures of Central Tendency: median, mode
3	3rd	10 Aug - 17 Aug	Partitioned values: Quartiles and deciles,
4	4th	18 Aug – 25 Aug	Measures of Dispersion: Range, Quartile Deviation, Mean deviation, Standard deviation
5	5th	26 Aug – 3 Sept	Relative measure of dispersion: Coefficient of variation.
6	6th	04 Sept – 11 Sept	Normal curve as a probability distribution: Its characteristics and area under curve. Measure of inequality: (i) Location quotient (ii) Lorenz curve.
7	7th	12 Sept – 19 Sept	Sampling: Theory of sampling,
8	8th	20 Sept – 27 Sept	Sampling Methods; probability and non-probability,
9	9th	28 Sept – 05 Oct	Spatial Sampling -Area, Line & Point Sampling.
10	10th	06 Oct – 13 Oct	Bivariate Analysis: Scatter diagram, correlation analysis
11	11th	14 Oct- 21 Oct	Spearman's rank correlation and Karl Pearson's correlation coefficient
12	12th	22 Oct – 30 Oct	Test of significance. Simple Linear Regression Model, Coefficient of Determination,
13	13th	02 Nov – 09 Nov	Cluster analysis, Nearest neighbor analysis.

14	14th	14 Nov – 21 Nov	Residuals and their mapping. Basics of multivariate analysis: Correlation matrix,
15	15th	22 Nov – 30Nov	Partial and multiple correlation.
16	16th	29Nov – 03 Dec	REVISION

Name of Teacher...Sh.Sandeep
Class.....M.Sc (P) (I Semester)

Subject:... Population Geography

Sr.No.	Week	Date	Topic
1	1st	24 July – 01 Aug	Nature, scope and historical development of population geography
2	2nd	02 Aug - 09 Aug	Population Data: sources, Quality, Reliability and data problems in mapping of population data.
3	3rd	10 Aug - 17 Aug	Concepts of Population
4	4th	18 Aug – 25 Aug	Concepts, Determinants and World Pattern of the following attributes of population: Growth,
5	5th	26 Aug – 3 Sept	Distribution, Density of population, birth rate and death rate.
6	6th	04 Sept – 11 Sept	Population composition: Age, Sex, Literacy, Occupation. Migration: Theories, causes and consequences.
7	7th	12 Sept – 19 Sept	Population and Resource: Population Resource Regions, Over Population, Under Population and Optimum Population.
8	8th	20 Sept – 27 Sept	Theories of Population: Malthus. Demographic transition theory.
9	9th	28 Sept – 05 Oct	Ricardo population theory
10	10th	06 Oct – 13 Oct	Marx population theory
11	11th	14 Oct- 21 Oct	Meaning and Definition of population policy.
12	12th	22 Oct – 30 Oct	A review of Population Policy of India
13	13th	02 Nov – 09 Nov	A review of Population Policy of India, China,
14	14th	14 Nov – 21 Nov	A review of Population Policy of India, China, and Japan.
15	15th	22 Nov – 30Nov	Population Problems and Environmental Implications.
16	16th	29Nov – 03 Dec	REVISION

Name of Teacher:..Dr.Hariom.
Class.....M.Sc (F) (III Semester)

Subject:... Research Methodology

Sr.No.	Week	Date	Topic
1	1st	24 July – 01 Aug	Research: Meaning, Objectives, Motivation.
2	2nd	02 Aug - 09 Aug	Research Approaches: Applied and Fundamental Conceptual and Empirical
3	3rd	10 Aug - 17 Aug	Descriptive and Analytical, Quantitative and Qualitative.
4	4th	18 Aug – 25 Aug	Observation, Generalization.
5	5th	26 Aug – 3 Sept	Hypotheses formulation, Law, Theory and their Implications in Geographical Research.
6	6th	04 Sept – 11 Sept	Research Design: meaning, need and characteristics of a good design,
7	7th	12 Sept – 19 Sept	Measurements scales in research; techniques of developing measurement tools;
8	8th	20 Sept – 27 Sept	Selection of the Topic - Statement of the Problem-Formulation of Hypotheses, Testing of Hypotheses.
9	9th	28 Sept – 05 Oct	Data Acquisition editing and Analysis: Sources of Data: Primary and Secondary, structuring the data
10	10th	06 Oct – 13 Oct	Data Transformation, interpretation and analysis.
11	11th	14 Oct- 21 Oct	Methods of Qualitative Research: Type of Approaches- Narrative, Phenomenological
12	12th	22 Oct – 30 Oct	Grounded Theory, Ethnographic Case Study, The Recent trends in research: E-research, Analysis of Analysis of variance: ANOVA, Chi-Square.
13	13th	02 Nov – 09 Nov	Using of SPSS and MS Excel for data handling and analysis.
14	14th	14 Nov – 21 Nov	Ethical Issues in Social Research; Criteria of Good Research; Problems Encountered by Researchers.

15	15th	22 Nov – 30Nov	Methods of writing Notes, Style of Referencing, Bibliography and Appendices, Abstract and Synopsis Writing.
16	16th	29Nov – 03 Dec	Writing research report.

Name of Teacher:..Sh.Balvinder
Class.....M.Sc (F) (III Semester)

Subject:.... Economic Geography

Sr.No.	Week	Date	Topic
1	1st	24 July – 01 Aug	Definition, Nature, Scope, Importance, Recent Trends and Approaches in Economic Geography.
2	2nd	02 Aug - 09 Aug	Relationship of Economic Geography with Other Social Sciences.
3	3rd	10 Aug - 17 Aug	Spatial Organization of Economic Activities and their Classification.
4	4th	18 Aug – 25 Aug	Measures of Network Structure and Economic Activities, Impact of Transport on Economic Activities.
5	5th	26 Aug – 3 Sept	Geographic Fixity and Mobility- Typology of Distance-Spatial Interaction: Edward Ullman's
6	6th	04 Sept – 11 Sept	Spatial Interaction Model and M.E. Hurst's diffusion model.
7	7th	12 Sept – 19 Sept	Application of Industrial Location Theories: Weber
8	8th	20 Sept – 27 Sept	Application of Industrial Location Theories: Isard, Hoover,
9	9th	28 Sept – 05 Oct	Application of Industrial Location Theories: A. Pred
10	10th	06 Oct – 13 Oct	Application of Industrial Location Theories: D.M. Smith.
11	11th	14 Oct- 21 Oct	World Economies: Bases of Classification, Patterns and Characteristics of Developed Developing Economies of the World.
12	12th	22 Oct – 30 Oct	Dynamics of World Economy and Time Space, Matrix of World Economy.
13	13th	02 Nov – 09 Nov	World Energy Resources: Coal, Petroleum and Nuclear, their characteristic, Distribution and

			Utilization.
14	14th	14 Nov – 21 Nov	Globalization and Recent Trends in Pattern of International Trade.
15	15th	22 Nov – 30Nov	Geo-Economy of E- Commerce with Special Reference to India.
16	16th	29Nov – 03 Dec	Major Regional Trade Blocks of The World, Free Trade Initiatives (GATT, UNCTAD, WTO).

Name of Teacher:..Smt.Nisha. Subject:..Fundamentals of Remote Sensing
Class.....M.Sc (F) (III Semester)

Sr.No.	Week	Date	Topic
1	1st	24 July – 01 Aug	Basics of Aerial Photography: History, definition, advantages and limitations.
2	2nd	02 Aug - 09 Aug	Taking Aerial Photographs: Pre, during and post flight planning. Types of aerial photographs.
3	3rd	10 Aug - 17 Aug	Photogrammetric methods: Calculating the scale of aerial photograph, measurement of relief displacement and stereoscopic parallax and their application.
4	4th	18 Aug – 25 Aug	Elements of aerial photo interpretation.
5	5th	26 Aug – 3 Sept	Remote Sensing: evolution, definition and scope. Interaction of energy with atmosphere and earth surface features.
6	6th	04 Sept – 11 Sept	Electromagnetic radiation and spectrum, various bands of remote sensing and atmospheric window.
7	7th	12 Sept – 19 Sept	Remote Sensing platforms: Geostationary and sun synchronous.
8	8th	20 Sept – 27 Sept	Types of Sensors: active and passive, whiskbroom and push broom sensors;
9	9th	28 Sept – 05 Oct	characteristics of sensors- spatial, spectral, radiometric and temporal resolutions.
10	10th	06 Oct – 13 Oct	Indian Space program and characteristics of

			resource,
11	11th	14 Oct- 21 Oct	polar orbiting satellites
12	12th	22 Oct – 30 Oct	weather, communication and navigation satellites.
13	13th	02 Nov – 09 Nov	Digital Image processing: image restoration
14	14th	14 Nov – 21 Nov	correction, image classification- supervised andunsupervised, calculation
15	15th	22 Nov – 30Nov	application of various indices (NDVI, NDWI). Applications of remote sensing data in resource.
16	16th	29Nov – 03 Dec	mapping and monitoring

Name of Teacher:..Sh.Sandeep
Class.....M.Sc (F) (III semester)

Subject. Geography of Rural Settlements

Sr.No.	Week	Date	Topic
1	1st	24 July – 01 Aug	Nature, scope, significance and development of settlement geography.
2	2nd	02 Aug - 09 Aug	Nature, scope, significance and development of settlement geography.
3	3rd	10 Aug - 17 Aug	Nature, scope, significance and development of settlement geography.
4	4th	18 Aug – 25 Aug	Nature, scope, significance and development of settlement geography.
5	5th	26 Aug – 3 Sept	Approaches in rural settlement geography.
6	6th	04 Sept – 11 Sept	Histogenesis of rural settlements: historical development, definition
7	7th	12 Sept – 19 Sept	characteristics of rural settlement,
8	8th	20 Sept – 27 Sept	distribution of rural settlements, size and spacing of rural settlements in India.
9	9th	28 Sept – 05 Oct	Rural Settlement: types, forms and patterns.
10	10th	06 Oct – 13 Oct	Rural settlement as service centers: Concept, identification.
11	11th	14 Oct- 21 Oct	Central Place Theory of Christaller.
12	12th	22 Oct – 30 Oct	Regionalization of rural settlements with special reference to India.

13	13th	02 Nov – 09 Nov	Social settlements: Poverty, housing, health care and inequality in India.
14	14th	14 Nov – 21 Nov	Environmental issues in rural settlements.
15	15th	22 Nov – 30Nov	Cultural landscape elements in rural settlements: House type and field pattern.
16	16th	29Nov – 03 Dec	Rural development planning in India,

Name of Teacher:..Smt.Nisha Subject.... Indian GEOGRAPHY
Class...B.A.I Year (I Semester)

Sr.No.	Week	Date	Topic
1	1st	24 July – 01 Aug	Geological history and regions of India.
2	2nd	02 Aug - 09 Aug	Geological history and regions of India.
3	3rd	10 Aug - 17 Aug	Geological history and regions of India.
4	4th	18 Aug – 25 Aug	Physiographic divisions of India.
5	5th	26 Aug – 3 Sept	Physiographic divisions of India.
6	6th	04 Sept – 11 Sept	Drainage System
7	7th	12 Sept – 19 Sept	Soils of India.
8	8th	20 Sept – 27 Sept	Climate of India.
9	9th	28 Sept – 05 Oct	Natural Vegetation of India.
10	10th	06 Oct – 13 Oct	Population: distribution, density and growth.
11	11th	14 Oct- 21 Oct	Population: distribution, density and growth.
12	12th	22 Oct – 30 Oct	Population composition: sex ratio, rural and urban, literacy, work force, language and religion.
13	13th	02 Nov – 09 Nov	Resources: Production and distribution of iron ore, coal,
14	14th	14 Nov – 21 Nov	petroleum, hydro power,
15	15th	22 Nov – 30Nov	solar and thermal power
16	16th	29Nov – 03 Dec	sugar and cotton textile

Name of Teacher:....Sh.Balvinder
Class...B.A.III Year (V Semester)

Subject..... Economic Geography

Sr.No.	Week	Date	Topic
1	1st	24 July – 01 Aug	Nature, scope and relationship of economic geography
2	2nd	02 Aug - 09 Aug	Nature, scope and relationship of economic geography
3	3rd	10 Aug - 17 Aug	economics and other branches of social sciences.
4	4th	18 Aug – 25 Aug	Classification of economic activities
5	5th	26 Aug – 3 Sept	Classification of economic activities and their impact on environment.
6	6th	04 Sept – 11 Sept	World natural resources: Types, bases and classification.
7	7th	12 Sept – 19 Sept	World natural resources: Types, bases and classification.
8	8th	20 Sept – 27 Sept	Conservation and utilization of natural resources.
9	9th	28 Sept – 05 Oct	Conservation and utilization of natural resources.
10	10th	06 Oct – 13 Oct	Spatial distribution of food (rice and wheat),
11	11th	14 Oct- 21 Oct	commercial (cotton and sugarcane)
12	12th	22 Oct – 30 Oct	plantation crops (tea, rubber and coffee).
13	13th	02 Nov – 09 Nov	Classification of mineral resources (ferrous and non-ferrous), distribution and production of coal, iron ore, petroleum and natural gas.
14	14th	14 Nov – 21 Nov	Classification of industries, world distribution and production of iron and steel and textile industry, major industrial complexes of the world.
15	15th	22 Nov – 30Nov	Transport, communication and trade: geographical factors in their development, major modes of water, land and air transport.
16	16th	29Nov – 03 Dec	trends in international trade.