

Govt. College Krishan Nagar

Lesson Plan for Session 2023-24

Somdatt Asst. Professor (Geography)

3rd Semester

July

Theory

1. Weather and climate; origin, composition and structure of atmosphere
2. Insolation, global heat budget, horizontal and vertical distribution of temperature, inversion of temperature.

Practical

1. Measurement of temperature, rainfall, pressure and humidity.

August

Theory

3. Atmospheric pressure: measurement and distribution, pressure belts, planetary, seasonal and local winds.
4. Humidity: measurement and variables; evaporation and condensation, precipitation: forms, types and distribution; hydrological cycle

Practical

2. Representation of temperature and rainfall
 - a. Combined Line and Bar Graph Exercise
 - b. Distribution of temperature (Isotherms) Exercise 1
 - c. Distribution of rainfall (Isohyets)
 - d. Hythergraph
 - e. Rainfall deviation diagram

September

Theory

5. Air masses: concept and classification; fronts: type and characteristics.
6. Weather disturbances: tropical and extra-tropical cyclones.

Practical

3. Climograph (wet and dry places)
4. Distribution of pressure (Isobars)

October

Theory

7. Configuration of oceanic floor and bottom relief of Pacific and Atlantic oceans; temperature of oceans.

Practical

Weather map interpretation (January & July)

November

Theory

8. Oceanic currents; circulation in Pacific, Atlantic and Indian Oceans; Oceanic resources.

Practical

6. Chain and tape survey

4th Semester

January

Theory

1. Nature and scope of human geography; branches of human geography; approaches to the study of human geography

Practical

1. Introduction to Map Projection: Meaning, Classification and importance; Characteristics of lines of latitudes and longitudes.

February

Theory

2. Division of mankind: spatial distribution of tribes of India: Santhals, Gonds and Bhils
3. 3. Concept of man- environment relation: A historical approach
- 4 . Human adaptation to the environment (i) cold region Eskimos (ii) Hot Region – Bushman.

Practical

2. Cylindrical projections: Characteristics, applications and drawing;
 - a. Simple cylindrical projection
 - b. Cylindrical equal area projection
 - c. True shape or orthomorphic or Mercator's Projection
3. Conical Projections: Characteristics, applications and drawing
 - a. Simple conical projections with one standard parallel
 - b. Simple conical projection with two standard parallel
 - c. Bonne's Projection
 - d. Polyconic projection
 - e. International Map Projection

March

Theory

- 5 Distribution, density and growth of world population
- 6 Population theories: Malthus and optimum population theory

Practical

4. Zenithal Projections: Characteristics, applications and drawing.

a. Polar Zenithal Equidistant Projection. b. Polar Zenithal Equal Area Projection c. Polar Zenithal Gnomonic Projection d. Polar Zenithal Stereographic Projection. e. Polar Zenithal Orthographic Projection

5. Characteristics, drawing and applications of a. Sinusoidal and b. Mollweide Projections

April

Theory

7. Rural settlements: meaning, classification and types

8. Population pressure, resource use and environment degradation; concept of deforestation, air and water pollution

Practical

6. Plane Table Survey