

GEOGRAPHY

SYLLABUS FOR SEMESTER ~~II~~ : FUNDAMENTALS OF PHYSICAL GEOGRAPHY –

II

UNIT-I : CLIMATOLOGY

1. Weather and climate, Elements of Weather
2. Atmosphere : Structure and composition
3. Insolation : Factors influencing the incidence and distribution
4. Temperature : Horizontal and vertical distribution

UNIT- II : CLIMATOLOGY

5. Pressure : Influencing factors – High and low pressure areas, global pressure belts
6. Winds : Local, Periodic and Planetary.
7. Cyclones – formation, distribution and impacts : Tropical and Temperature

UNIT- III : CLIMATOLOGY

8. Humidity : Absolute and relative
9. Clouds : Types, formation and potentials
10. Precipitation : Types, formation and distribution

UNIT- IV : OCEANOGRAPHY

11. Submarine Relief : Continental Shelf, continental Slope, Abyssal Plain, Ocean Deeps and Trenches, Mid-Oceanic ridges.
12. Temperature : Horizontal and vertical distribution.
13. Salinity : Factors and Distribution

UNIT- V : OCEANOGRAPHY

14. Waves and Tides : Types and formation
15. Ocean Currents : Types and factors Responsible – currents of Atlantic, Pacific and Indian Oceans.
16. Ocean Deposits – Types and Distribution.

**Practicals**

**Elements of Mapping**

1. Contours: Drawing and Contour Interval – Drawing of Cross profiles and landform Identification and description: Plateau – Ridge –Conical hill – U shaped valley, V Shaped Valley – Gorge-Spur-Cliff –Escarment –Measurement and description of Slopes: Convex, Concave, Uniform and Terraced.
2. Map interpretation: Topographical map-conventional signs and interpretation, weather map- weather symbols and interpretation.

Dr. B.R. AMBEDKAR UNIVERSITY, SRIKAKULAM  
CHOICE BASED CREDIT SEMESTER SYSTEM

GEOGRAPHY SUBJECT

SYLLABUS FOR SEMESTER - III FUNDAMENTALS OF PHYSICAL GEOGRAPHY -

MODEL PAPER

Answer all questions.

( 5 X 10 = 50 Marks)

- 1.a) Explain the structure of the Atmosphere.  
(or)  
b) Explain the elements of Weather
2. a) Explain the distribution of pressure.  
(or)  
b) Characteristics and classification of Winds.
- 3.a) Define Humidity. Explain briefly about Absolute and relative Humidities.  
(or)  
b) Define Precipitation. Describe its types and distribution.
- 4.a) Describe the horizontal distribution of temperature of the Ocean.  
(or)  
b) Explain the Salinity of the Oceans.
- 5.a) What are various movements of Ocean waters. Explain in detail the waves and tides.  
(or)  
b) Write an account Ocean deposits.

Answer any five of the following

( 5 x 5 = 25 marks)

6. Insolation
7. Distribution of temperature
8. Define Monsoons
9. Explain the mechanism of Cyclones.
10. Submarine relief.
11. Currents of the Atlantic Oceans.
12. Types of Clouds.
13. Currents of the Pacific Oceans.