



Dr. B.R. AMBEDKAR UNIVERSITY, SRIKAKULAM

GEOGRAPHY

SYLLABUS FOR SEMESTER - I : FUNDAMENTALS OF PHYSICAL GEOGRAPHY – I

UNIT- I : EARTH DYNAMICS

1. Land and Sea : formation and Distribution
2. Theories : Isostasy, continental drift, Plate tectonics

UNIT- II : EARTH DYNAMICS

3. Interior of the Earth
4. Earthquakes
5. Volcanoes

UNIT-III : EARTH DYNAMICS

6. Rocks
7. Weathering and mass-wasting

UNIT- IV : GEOMORPHOLOGY

Process and Landform Development

8. River : Flow and work – Erosion, Transportation, Deposition – Landforms
9. Wind : Air flow and work - Erosion, Transportation, Deposition – Landforms – desert formation.

UNIT- V : GEOMORPHOLOGY

10. Marine : Waves and currents and work – Erosion, Transportation, Deposition – Shoreline and landforms
11. Karst : flow of underground water and work – solutions – Erosion and deposition-landforms.
12. Glacial : Types, Movements and work – Erosion, Transportation and deposition - landforms.

Practicals

Elements of Mapping

1. Scales : Classification – Statement – Representative Fraction(R.F), Graphic scales.
2. Representation of Relief – Spot heights, Bench marks, Layer colouring, Contours – Hachures and Hill shading.

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

GEOGRAPHY SUBJECT

SYLLABUS FOR SEMESTER - I : FUNDAMENTALS OF PHYSICAL GEOGRAPHY – I
MODEL PAPER

Answer all questions

(5 X 10 = 50 Marks)

- 1.a) Write an essay on Isostasy.
(Or)
b) give an account of wegener's continental Drift Theory.
- 2.a) Write an essay on the Interior of the Earth
(or)
b) Write an essay on Earthquakes.
- 3.a) Describe the types and characteristics of Metamorphic rocks.
(or)
b) Explain the role of Weathering.
4. a) Explain the Delta formation and give an account of categories of deltas.
(or)
b) Discuss the Erosional work of wind.
- 5.a) Explain the Characteristics of Karst topography
(Or)
b) give an account of Glacial landforms.

Answer any five of the following.

(5 X 5 = 25 Marks)

6. Land and Sea formation and distribution.
7. Classification of volcanoes.
8. Mass-Wasting
9. Under ground water.
10. Plate tectonics
11. Sedimentary rocks.
12. Marine waves and currents.
13. River landforms.

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 –Escarpment –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.

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GEOGRAPHY SUBJECT

SYLLABUS FOR SEMESTER –II : FUNDAMENTALS OF PHYSICAL GEOGRAPHY –

II
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.



Dr. B.R Ambedkar University, Etcherla, Srikakulam
B.A / B.Sc Second Year – Semester-III
Geography Syllabus
Human And Economic Geography

Unit – I Perspectives :

1. Nature and objectives of Human and economic Geography
2. Man and Environment : Physical and cultural environment.

Unit-II Perspectives:

3. Human activities : Primary, Secondary, Tertiary and quaternary.
4. Resources: Classification, conservation and management and sustainability.

Unit –III Population

5. Human races: Origin, Classification, Characteristics and distribution; Cultural realms of the world.
6. Population : world population – Growth and distribution – Demographic transition.

Unit-IV Settlements:

7. Human migration: Types, causes and consequences of migration: India diaspora.
8. Human settlements : Forms, Structure, Functions and patterns – Rural and urban settlements – urbanization – impacts of urbanization.

Unit –V Settlements:

9. Urbanization in India
10. Location of theories : Central place theory, Rank size rule.

Practicals:

Diagrams

1. One Dimensional : Line graph – Poly graph – Bar graph – Pyramid graph – Simple and compound diagrams – Pie diagram.
2. Climatic diagrams : Climo graph, Hyther Graph and wind rose.

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B.A / B.Sc Second Year – Semester-III
Geography Model paper
Human And Economic Geography

Section – A

Answer all questions 5 X 10 = 50 Marks

1. a) Write about the nature and objectives of Economic Geography .
(or)
b) Define physical Environment and give an account on the relation between physical environment and man.
2. a) Explain the primary activities.
(or)
b) Explain the types of resources and conservation briefly.
3. a) Describe the cultural realms of the world.
(or)
b) Describe the distribution and growth of population.
4. a) What are the causes and consequences of migration write briefly.
(or)
b) Define “settlement”. Describe the types of rural settlements with suitable examples.
5. a) Urbanization in India. Explain?
(or)
b) Explain the Rank size rule theory ?

Section – B

Answer any five of the following

5 X 5 = 25 Marks

6. Secondary activities
7. Resources of conservation.
8. Scope and objectives of Human Geography.
9. Low population regions.
10. Human races.
11. Urban settlements.
12. Impacts of Urbanization.
13. Central place theory.

Dr. B.R Ambekdar University, Etcherla, Srikakulam
B.A / B.Sc Second Year – Semester-IV
Geography Syllabus
Human And Economic Geography

Unit – I Resources

1. Agriculture : Land use and special economic zones; Crop patterns and production, Green revolution.
2. Location model of Von thunen.

Unit – II Resources

3. Live stock : Distribution – Dairying, Meat and woollen.
4. Fisheries : Major fishing grounds of the world – production and trade.

Unit –III Resources

5. Forests : Types, Distribution and forest products.
6. Mineral : Metallic (Iron ore, copper), Non-Metallic (Limestone and mica), Fuels (Coal and petroleum) Locations and potentials, Mining and trade.

Unit – IV Industry

7. Industry : Locational factors, Industrial location theory of Alfred Weber.
8. Major industries : Iron and steel, cotton text tiles and ship-building, Industrial regions of the world.

Unit –V Transport and trade

9. Transport: Road ways, Railways, Water ways and Air ways.
10. Trade : International trade ; Major exports and imports – balance of trade – WTO and the developing countries.

Practicals:

Maps

1. Thematic maps : Class intervals – Choropleth – Isopleths – Choroschematic – Dotmaps – Flow maps.
2. Flow charts.

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B.A / B.Sc Second Year – Semester-IV
Geography Model paper
Human And Economic Geography

Section – A

Answer all questions 5 X 10 = 50 Marks

- 1.a) Briefly discuss special economic zones.
(or)
- b) Explain briefly about agricultural location model of Vonthunen.
- 2.a) Write about the livestock?
(or)
- b) Write about the major fishing grounds of the world.
3. a) Explain the types of forests.
(or)
- b) Give an account of Geographical distribution of coal in the world.
- 4.a) Write about industrial location theory of weber.
(or)
- b) Give an account of the distribution of Iron and steel industry.
5. a) Describe the briefly different types of transportations.
(or)
- b) Explain the major exports and imports of the world.

Section – B

Answer any five of the following 5 X 5 = 25 Marks

6. Land use
7. Green revolution
8. Dairying
9. Forest products
10. Fuels
11. Industrial regions of the world.
12. Mining and trade.
13. W.T.O