

Total No. of Printed Pages—3

1 SEM TDC GGRH (CBCS) C 1

2024

(November)

GEOGRAPHY

(Core)

Paper : C-1

(Geomorphology and Biogeography)

Full Marks : 53

Pass Marks : 21

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following as directed : 1×5=5

(a) The earthquake waves travel along the earth's interior in convex / concave / straight way.

(Choose the correct one)

(b) Which theory was developed due to the gravity anomaly of survey in Kaliana and Kalianpur in India?

(2)

(c) Stalactite and stalagmite are associated with aeolian / karst / glacial landform.

(Choose the correct one)

(d) The three major soil forming factors are parent material, relief and _____.

(Fill in the blank)

(e) Cirques are the depositional landform created by glacial activities.

(Write True or False)

2. Write brief notes on any *two* of the following (within 150 words each) :

4×2=8

(a) Fold and fault

(b) Weathering

(c) Glacial deposition

(d) Soil conservation

3. Define normal cycle of erosion. What are the three stages of cycle of erosion as stated by W. M. Davis? Explain the landforms associated with all the three stages of the cycle.

3+1+6=10

(3)

Or

How do the seismic waves help us in understanding about the interior of the earth? In this regard, explain about the interior structure of the earth in detail. 3+7=10

4. What is isostasy? Explain the views of isostasy as forwarded by Airy and Pratt.

2+8=10

Or

What is plate tectonics? With reference to the theory of plate tectonics, explain the origin of fold mountains.

4+6=10

5. Give a brief account of the erosional and depositional landforms associated with the wind cycle of erosion.

5+5=10

Or

What do you mean by soil? Describe the soil forming processes.

2+8=10

6. Define zoogeographical region. Name the zoogeographical regions of the world. Explain any one of them in detail.

2+2+6=10

Or

Explain the factors that affect the world distribution of natural vegetation.

10

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2 0 2 4

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2 0 2 4

(November)

GEOGRAPHY

(Core)

Paper : C-2

(**Climatology**)

Full Marks : 53

Pass Marks : 21

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following as directed : $1 \times 5 = 5$

(a) The zone separating the troposphere
and the stratosphere is called _____.

(Fill in the blank)

(b) High clouds primarily reflect solar
radiation and cool the surface of the
earth.

(Write True or False)

(2)

(c) The planetary winds that blow between the subtropical high-pressure belt and equatorial low-pressure belt is known as _____.

(Fill in the blank)

(d) The instrument used for measuring relative humidity in air is hydrograph/hygrograph.

(Choose the correct answer)

(e) The Eastern Coast of India is affected by tropical cyclones more than the Western Coast of India.

(Write True or False)

2. Write short notes on any two of the following : $4 \times 2 = 8$

(a) Temperature inversion

(b) Condensation

(c) Stability and instability of the atmosphere

3. Give an account of the composition and structure of the atmosphere with the help of diagram. $5 + 5 = 10$

Or

What is temperature distribution? Explain the factors affecting the distribution of temperature with the help of suitable diagrams. $2 + 8 = 10$

(3)

4. What is planetary wind? Discuss the factors affecting the speed and direction of the wind.

$2 + 8 = 10$

Or

What are the characteristics of jet streams? Explain with the help of diagrams, the index cycles of jet streams. $4 + 6 = 10$

5. Critically examine the Köppen's scheme of climatic classification. 10

Or

What do you mean by fog? Classify fog into various types and explain each of them in detail. $2 + 8 = 10$

6. What is a cyclone? Describe the formation, causes and effects of tropical cyclone.

$2 + 2 + 3 + 3 = 10$

Or

State the characteristics of monsoon climate. Why is the Indian monsoon erratic in nature? Explain. $5 + 5 = 10$

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