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(Pre-CBCS)

(5th Semester)

GEOGRAPHY

SEVENTH PAPER

(Geomorphology)

Full Marks : 55

Time : 2½ hours

(PART : A—OBJECTIVE)

(*Marks : 20*)

The figures in the margin indicate full marks for the questions

SECTION—A

(*Marks : 5*)

Put a Tick (✓) mark against the correct answer in the brackets provided : 1×5=5

1. The 'principle of Uniformitarianism' was first postulated by

(a) James Hutton ()

(b) G. K. Gilbert ()

(c) John Playfair ()

(d) Charles Lyell ()

2. Exfoliation is the process of

(a) physical weathering ()

(b) chemical weathering ()

(c) biological weathering ()

(d) anthropogenic weathering ()

- 3.** Which one of the following is not fluvial landform?
- (a) Oxbow lake ()
 - (b) Natural levee ()
 - (c) Gorge ()
 - (d) Inselberg ()
- 4.** Streams resemble a big tree and the tributaries like its branches are known as
- (a) dendritic pattern ()
 - (b) trellis pattern ()
 - (c) radial pattern ()
 - (d) barbed pattern ()
- 5.** Which one of the following is not related to applied geomorphology?
- (a) Environmental management ()
 - (b) Urban studies ()
 - (c) Agriculture development ()
 - (d) Cosmology ()

SECTION—B

(Marks : 15)

Answer/Write short notes on the following in not more than 10 sentences each :

3×5=15

1. Define mass wasting.
2. Peneplain
3. Hanging valley
4. Differentiate between consequent streams and subsequent streams.
5. Relation between geomorphology and environmental management

(**PART : B—DESCRIPTIVE**)

(Marks : 35)

The figures in the margin indicate full marks for the questions

Answer **five** questions, selecting **one** from each Unit

UNIT—I

1. Discuss the nature and scope of geomorphology. 3+4=7
2. Critically discuss the recent trends in geomorphology with special reference to quantitative geomorphology. 7

UNIT—II

3. Define weathering. Mention the different processes of weathering. 2+5=7
4. Discuss the concept of peneplain given by W. M. Davis. 7

UNIT—III

5. What are fluvial landforms? Discuss the depositional landforms produced by fluvial actions. 2+5=7
6. Discuss the landforms created in karst topography with suitable diagrams. 5+2=7

UNIT—IV

7. Discuss the meaning and concepts of river capture. 2+5=7
8. Define slope. Mention the important elements of slopes and their development with a suitable diagram. 2+4+1=7

UNIT—V

9. Discuss the meaning and concepts of applied geomorphology. 7
10. Examine the significance of geomorphic knowledge in the development of road construction. 7

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