MAY 2023 **P/ID 4432/PGE1B**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions in 50 words each.

1. Define the term “Applied Geomorphology”
2. List out the various forms of Mountain
3. What are the characteristics of the Earth’s Crust?
4. What is meant by the process of differentiation?
5. Why is it important to understand Plate Tectonics?
6. Which type of Mass Wasting occur mostly slow in rate?
7. What causes Earthquakes?
8. How do plants cause Weathering?
9. How is Talus different from Regolith?
10. What are the salient features of Karst Region?
11. How do you perform a Hazard Analysis?
12. What are the types of Land Evaluation?

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions in 250 words each.

13. Explain the L.C.King's models of slope development with illustrations.

14. Examine various system concepts in geomorphological studies.

15. Write a short note on concepts and principles of Isostasy.

16. Explain the structure, process and time in Weathering process.

17. Write about the extent and causes of Coastal erosion.

18. Diagramatically explain the depositional Landforms of a Semi–arid region.

19. Explain the role of geo–informatics in geomorphological mapping and modelling.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions in 500 words each.

20. Critically analyse the geomorphic concept of W.Penck differ from the concept of Davis.

21. Examine the impacts of Climatic and Tectonic changes on people and environment.

22. Write a detailed account on Soil formation, classification and conservation practices.

23. Discuss the various landforms created by the Glacial process in different stages.

24. Write a detailed account on geomorphological application in Hazard Management.

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