MAY 2022 **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. Explain generic classification of landforms.

2. What does “orogeny” mean?

3. What are the characteristics of the earth’s inner core?

4. Write the five facts about the plate tectonics

5. What is Ring of Fire and where is it?

6. What does weathering mean?

7. What are the major textures of soil?

8. Write a short note on rock falls.

9. Differentiate the term “draingae system and drainge pattern”.

10. What causes karst landform?

11. What does” land system” mean?

12. What is checklist hazard analysis?

PART B — (5 × 6 = 30 marks)

Write Short Notes on any FIVE questions, in 250 words each

13. Explain the nature and scope of applied geomorphology.

14. Write a brief account on W. Penck's model of Landform Evolution.

15. Write an explanatory note on the "big bang theory".

16. Explain the mechanism of chemical weathering process.

17. What does soil erosion mean? Explain the soil conservation practices.

18. How will you assess the river morphometry?

19. Explain the various stages of hazard analysis.

PART C — (3 × 10 = 30 marks)

Write an Essay on any THREE questions, in 500 words each

20. Critically examine the geomorphic concept of L.C King and W.M. Davis.

21. Discuss on various theories of plate tectonics and three types of plate boundaries.

22. Write a detailed account on causes, effects, and control measures of mass wasting.

23. Discuss the erosion, sedimentation and structural adjustments of a fluvial system.

24. Explain the role of geomorphology in sustainable agricultural planning with examples.
