MAY 2024 **U/ID 31632/URH1A**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions in 30 words each.

1. Write a short note on 'Seismograph'.
2. Write a short note on 'Panthalassa'.
3. What are 'Asteroids'?
4. What is meant by an anticline in a fold?
5. Define 'dip joint'.
6. How is a risk valley formed?
7. Define 'fossils'.
8. What is an 'epoch' in a geological time scale?
9. Define 'mineralogy'.
10. State the physical properties of calcite.
11. State the meaning of metamorphism.
12. State any two sedimentary rocks and the metamorphic rocks formed from those sedimentary.

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions in 200 words each.

13. Write about the modern scale of intensity of earthquakes.

14. Give a short account on solar system.

15. Differentiate the conformity and unconformity in a rock structure.

16. Write about the formation process of Jurassic of Kutch system of rocks.

17. Explain the morphological characteristics of Gastropods.

18. Give the description of the physical properties of Topaz.

19. Describe the formation process and the characteristics of limestones.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions in 500 words each.

20. Write about the different methods of determining the age of earth.

21. Give an account on types of folds.

22. Discuss in detail the geological time scale.

23. Analyse the morphological characteristics of crystals.

24. Give the chemical and physical properties of state, schist and marble.

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