DECEMBER 2023 **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. What is 'Seismic Focus'?
2. Write a short note on 'magma'.
3. What is meant by 'Carbon dating'?
4. What is a 'graben'?
5. What is meant by syncline in a fold?
6. Define 'Strike joint'.
7. Define 'Stratigraphy'.
8. What is an 'era' in a geological time scale?
9. Define 'crystallography'.
10. State the physical properties of garnet.
11. How is Igneous rocks formed?
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. Bring out planetesimal hypothesis on origin of earth.

14. Analyse the composition of interior of the earth.

15. Give description for the simple type of joints.

16. Write about the formation process of Cuddapah system of rocks.

17. Explain the morphological characteristics of pelecypods.

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

19. Explain the formation process and characteristics of sandstones.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions in 500 words each.

20. Give an account on continental drift theory of Alfred Wegenar.

21. Write about the different types of faults.

22. Discuss in detail the different types of fossils.

23. Give the physical properties of any four types of quartz.

24. Explain the physical and chemical properties of Granite, Dunite and Basalt.
