GL1CRT01: METHODOLOGY AND PERSPECTIVES IN GEOLOGY

Duration: 3 Hrs                                              Total Marks: 80

PART A

Explain any ten in one or two sentences. (2 marks each)

1.  (a) Mineralogy
    (b) Petrology

2.  (a) Bedding
    (b) Stratigraphy

3.  (a) Fossil
    (b) Paleontology

4.  (a) Tuff
    (b) Volcanic vent

5.  (a) Epicenter
    (b) Hypocentre

6.  (a) Trench
    (b) Rift valley

7.  (a) Asthenosphere
    (b) Ozone layer

8.  (a) Mantle plume
    (b) Volcanic arc

9.  (a) Remote sensing
    (b) IRS

10. (a) Meteorology
     (b) Oceanography
11.  (a) Benioff zone
(b) Subduction

12.  (a) Core
(b) Mantle

PART B
Answer any six questions not more than 100 words. 5 marks each

13. Seismic discontinuities
14. Rock cycle
15. Island arcs
16. Lithosphere
17. Transform faults
18. Geophysics
19. Rotation of earth
20. Engineering Geology
21. Disaster management

PART C
Answer any two questions not more than 500 words- 15 marks each

22. Give an account of the types of earthquakes, causes and its effects. Add a note on the earthquake hazard zonation in India.

23. Give an account of the types of volcanoes, causes and its effects. Add a note on the global distribution of volcanoes.

24. Describe the concept of Plate tectonics. Add a note on types of plate boundary and associated features.

25. Discuss the theories regarding origin of the Earth.

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