

First Semester
B. Sc. Geology (Model I)
Geology and Water Management (UGC Vocational-Model III)
(Common Syllabus to both Programs)
MODEL QUESTION PAPER

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 (10x2 =20marks)

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 (6x5=30marks)

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. (2x15=30marks)
