



QP CODE: 23104634



Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE
EXAMINATIONS, FEBRUARY 2023**

First Semester

Core Course - GL1CRT01 - METHODOLOGY AND PERSPECTIVES IN GEOLOGY

(Common to B.Sc Geology and Water Management Model III, B.Sc Geology Model I)

2017 Admission Onwards

B707E2E8

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Name any three minerals.
2. What you mean by hydrogeology?
3. What is the absolute difference between polar radius and equatorial radius of the earth?
4. What is seismic discontinuity?
5. Name any two geomorphic agents.
6. Give an example of Island arc and mention the plates involved.
7. What is accretionary wedge?
8. Average height of a cinder cone volcano is.
9. Name a volcano situated in the interior of a plate.
10. Define earthquake
11. Name the scale used to measure intensity of seismic wave.
12. The most destructive earthquake recorded so far in India is.

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. Draw a net sketch and explain the major processes occurring in rock cycle.
14. How do we know about the internal structure of the Earth?
15. Describe Paleozoic Era.
16. Describe orogeny at a continent-continent convergent boundary.
17. Explain the various concepts of isostasy.
18. Explain the different types of volcanic eruptions.
19. Draw diagrams showing the form and internal structure of a cinder cone, a composite volcano, and a shield volcano.
20. What are seismic waves? How are they classified?
21. How earthquakes can be predicted? Add a note on its control measures.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Describe the various tools to study the interior of the earth.
23. Give an account of Continental Drift Hypothesis with its evidences and drawbacks.
24. Explain how the study of plate tectonics has helped us to understand the global distribution of volcanoes?
25. Write an essay on earthquake and add short note on global distribution of earthquake.

(2×10=20)

