

D-74373

(Pages : 2)

Name.....

Reg. No.....32.....

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2014

(CUCBCSS-U.G.)

Core Course—Geology

GL 1B 01—EARTH SYSTEM AND PROCESS

Time : Three Hours

Maximum : 80 Marks

Draw neat sketches wherever necessary.

Part A (Objective Type Questions)

Answer all ten questions.

1. Giant sea waves caused by undersea earthquakes.
2. Rock fragments deposited at the foot of slopes due to gravity.
3. The waves that do not enter the core.
4. Fastest type of mass wasting processes.
5. Quantitative measure of the actual size of earthquake.
6. The scientist who proposed Planetesimal hypothesis.
7. Volcanic eruption characterized by jetting of fountains of fluid basic lava from a central crater.
8. Great masses of continental ice-sheets near the South Pole.
9. Movement of water from a stream to the water table.
10. Magnitude of the Bhuj earthquake that occurred during 2001.

(10 × 1 = 10 marks)

Part B (Short Answer Type Questions)

Answer any ten questions.

11. Solifluction.
12. Atmosphere.
13. Discontinuities.
14. Rockslide.
15. Monadnocks.
16. Geosynclines.

Turn over

17. Vesuvian type eruptions.
18. Greenhouse gases.
19. Pyroclastic deposits.
20. Exfoliation.
21. Meteorites.
22. Ring of fire.

(10 × 2 = 20)

Part C (Paragraph Type Questions)

Answer any five questions.

23. Geological action of glaciers.
24. Hydrological cycle.
25. Types of volcanic eruption.
26. Radioactive method for earth's age determination.
27. Mass wasting processes.
28. Drainage patterns of streams.
29. Geysers and hot springs.
30. Seismographs.

(5 × 6 = 30)

Part D (Essay Type Questions)

Answer any two questions.

31. Write an essay on different theories of origin of solar system.
32. What are the causes and effects of earthquakes ?
33. Classify mountains. Comment on the origin and distribution of mountains.
34. Describe the different types of weathering.

(2 × 10 = 20)