

16U121

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Name:

Reg. No.....

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2016

(Regular/Supplementary/Improvement)

(CUCBCSS-UG)

CC15UGL1B01- EARTH SYSTEMS AND PROCESSES

(Geology - Core Course)

(2015 Admission Onwards)

Time : Three hours

Maximum : 80 Marks

Draw neat sketches wherever necessary.

I. Write in one word or one phrase on all *ten* of the following questions.

1. The layer of the atmosphere which is rich in ozone.
2. _____ are planet-like masses that revolve around the Sun in the space between the orbits of Mars and Jupiter.
3. Who put forward the Gas Dust Cloud Hypothesis for origin of solar system?
4. The measure of degree of damage and destruction an earthquake can cause.
5. The rock fragments ejected during volcanic eruptions are called _____.
6. What is the statement "Wherever equilibrium exists in the earth's surface, equal mass must underlie equal surface areas" known as?
7. The most widespread, slow, down-hill movement of regolith and soil under the influence of gravity.
8. _____ is the process of scaly peeling off of rocks as thin layers or shells.
9. What is the term applied to the mountain building tectonic movements?
10. The discontinuity that separates earth's mantle from its core.

(10 X 1 = 10 marks)

II. Write short notes on any *ten* of the following questions in one or two sentences each.

11. Lithosphere
12. Greenhouse effect
13. Glacier
14. Meteorites
15. Half-life

16. Focus and Epicentre
17. Seismogram
18. Tsunami
19. Fissure eruption
20. Regolith
21. Biological weathering
22. Mass wasting

(10 X 2 = 20 marks)

III. Write short essays on any *five* of the following questions in a paragraph each.

23. Biosphere and its interaction with other spheres
24. Hydrological cycle
25. Solar system
26. Nebular hypothesis
27. Radioactive methods
28. Types of seismic waves
29. Types of mountains
30. Processes of physical weathering

(5 X 6 = 30 marks)

IV. Write long essays on any *two* of the following questions.

31. Give an account of the structure of the earth's atmosphere.
32. Describe the origin, types and distribution of earthquakes. Add a note on the prediction of earthquakes.
33. Describe the causes, effects and remedial measures of landslides.

(2 X 10 = 20 marks)
