

**17U131**

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Name: .....

Reg. No.....

**FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2017**

(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 the answer in one word or one phrase for **all** questions.

1. The lowest layer of the atmosphere.
2. Seventy five percent of the world's fresh water is located in .....
3. What is a meteoroid?
4. The Richter scale measures .....
5. The outer core is composed mainly of the elements .....and .....
6. Who made the statement 'Present is the key to the past'?
7. The most important natural source of acid for rock weathering at Earth's surface is .....
8. Circum-Pacific Ring-of-Fire
9. Epicentre
10. Obsidian

**(10 x 1 = 10 Marks)**

II. Write short notes on **any ten** of the following questions.

11. Ozone hole
12. Asteroid belt
13. Mantle
14. Tree ring dating
15. Mohorovicic discontinuity?
16. Isostasy
17. Seismograph
18. Western Ghats
19. Frost wedging
20. Gruss
21. Planetesimal hypothesis

22. Strombolian eruption

**(10 x 2 = 20 Marks)**

III. Write short essays on **any five** of the following questions.

23. Interior of the Earth

24. Inner planets

25. Causes of tsunami

26. Types of mass wasting

27. Carbon dating

28. Difference between P and S-waves

29. Difference between the Arctic and the Antarctic

30. Angle of repose

**(5 x 6 = 30 Marks)**

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

31. Describe the hydrological cycle and how it is important for life on earth.

32. Describe the different theories for the origin of the Earth.

33. Describe the types of weathering that can be observed in different parts of Kerala

**(2 x 10 = 20 Marks)**

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