

D 72964

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Name..... 37

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, DECEMBER 2014

(CUCSS)

Environmental Science

ES 1C 01—EARTH SCIENCE—I

(2010 Admissions)

Time : Three Hours

Maximum : 36 Weightage

Part A

*Answer questions 1-14 in one or two sentences.
Each question carries 1 weightage.*

1. Distinguish between Lithosphere and Asthenosphere.
2. Define hardness of a mineral.
3. Distinguish between Quartz and Feldspar.
4. What is a Seismograph ?
5. Give the distinguishing features of Garnet.
6. Define a Wetland.
7. Distinguish between Focus and Epicentre.
8. Define Mudbanks.
9. Define drainage basin.
10. What is the distinction between a fault and a joint.
11. Define biological weathering.
12. What are the characteristics of divergent plate margins ?
13. What is podzolization ?
14. Define apparent dip.

(14 × 1 = 14 weightage)

Part B

*Answer any seven of the following from questions 15 to 24,
limiting your answer to one page in each case.
Each question carries 2 weightage.*

15. Components of physical environment.
16. Characteristics of Richter scale.
17. Classification of igneous rocks.

Turn over

18. Important types of soil forming processes.
19. Effects of stream erosion on landforms.
20. Important types of discordant igneous bodies.
21. Important coastal erosional landforms.
22. Types of unconformities.
23. Hydrologic cycle.
24. Importance of wetlands in Kerala.

(7 × 2 = 14 weight)

Part C

*Answer any two of the following from questions 25 to 28.
Each question carries 4 weightage.*

25. Describe the internal structure of the earth.
26. Discuss the arguments in favour of continental drift hypothesis. Add a note on sea floor spread theory.
27. Give an account of the megascopic features of sedimentary rocks.
28. Give a brief account of various geometric classification of folds.

(2 × 4 = 8 weight)