

16P441

(Pages: 2)

Name

Reg. No

FOURTH SEMESTER M. Sc. DEGREE EXAMINATION, MARCH 2018

(Regular/Supplementary/Improvement)

(CUCSS - PG)

CC15 PGEL4 E03 - ENVIRONMENTAL GEOLOGY

(Applied Geology)

(2015 Admission onwards)

Time: Three hours

Maximum: 36 weightage

Section A

(Short answer type questions.)

Answer *all* questions. Each question carries *1* weightage.

1. Geospheres.
2. Sustainable development.
3. Natural Hazards.
4. Residence time.
5. Soil profile.
6. BOD
7. Biota.
8. Wetlands.
9. Ecosystem.
10. Continental slope.
11. Vadose zone.
12. Oil spills.
13. Nitrification.
14. Open system.

(14 x 1= 14 weightage)

Section B

(Write Short Essays)

Answer any *seven* questions. Each question carries *2* weightage.

15. Role of Governmental agencies in disaster management.
16. Significance of soil conservation.
17. Effects of underground mining.
18. Geological factors triggering landslides.
19. Role of geologists in environmental management.
20. Importance of urban planning.
21. Primary and secondary effects of earthquakes.
22. Sources of river water pollution.

23. Health hazards due to ground water pollution.

24. Methods of removing oil spills.

(7 x 2 = 14 weightage)

Section C

(Essay type)

Answer *two* questions. Each question carries **4** weightage.

25. Define EIA. Describe the need for EIA studies before implementing major projects.

or

26. Describe the impacts of volcanic activity on environment.

27. Discuss the different methods of disposal of municipal wastes. Add a note on the demerits of each method.

or

28. Describe the different land based sources of marine pollution. Add a note on mangroves.

(2 x 4 = 8 weightage)
