

16U625

(Pages: 2)

Name:

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2019

(Regular/Supplementary/Improvement)

(CUCBCSS - UG)

CC15U GL6 E01 - ENVIRONMENTAL GEOLOGY

Geology - Elective

(2015 Admission onwards)

Time: Three Hours

Maximum: 80 Marks

Draw neat figures wherever necessary

Part A

Answer all *ten* questions. Each question carries 1 mark.

1. What is phreatic zone?
2. The slowest process of mass wasting.
3. Which is the seismic wave that exhibits retrograde particle motion?
4. Type of plate destructive boundary with strong earth quakes but negligible volcanism.
5. The upper boundary of troposphere.
6. What are cryoconites?
7. The importance of ozone layer to life.
8. pH is -----.
9. If carbon dioxide, sulphur dioxide and methane are considered in equal amounts, which contributes most to global warming?
10. Define salinity.

(10 x 1 = 10 Marks)

Part B

Answer any *ten* questions. Each question carries 2 marks.

11. Angle of repose.
12. Motion of seismic surface waves.
13. Hazard and Disaster.
14. Slides and flows in mass movement.
15. Ramsar site.
16. Rio Earth Summit.
17. Hydraulic conductivity.
18. Artesian wells.
19. Rank of coal.

20. Source of air pollution.
21. Significance of CFC in environment.
22. Perched aquifer.

(10 x 2 = 20 Marks)

Part C

Answer any *five* questions. Each question carries 6 marks.

23. Biosequestration.
24. The controls of water and slope on mass wasting.
25. Non- conventional energy sources.
26. Role of carbon black in influencing the heat budget of Earth.
27. Detrimental effects of microplastics.
28. Various sources of surface water pollution.
29. Anthropocene epoch.
30. Discuss various environmental impacts of mining.

(5 x 6 = 30 Marks)

Part D

Answer any *two* questions. Each question carries 10 marks.

31. Explain sea water intrusion. Discuss any three mitigation methods for sea water intrusion.
32. Describe solifluction and its effects. Is it confined to higher latitudes during winter? Discuss.
33. Green house garden and climate change.
34. Elucidate on source and composition of air pollution. What are the climatic effects of anthropogenic aerosols in the atmosphere?

(2 x 10 = 20 Marks)
