

SECOND SEMESTER M.Sc. (CUCSS) DEGREE EXAMINATION, JUNE 2015**Applied Geology****GEL 2C 06 - APPLIED GEOLOGY & MARINE GEOLOGY
(2014 Admission)****Time : Three Hours****Maximum : 36 Weightage***Draw diagrams wherever necessary.*

Answer all questions

PART A*Answer all the questions in two or three sentences each.*

1. Subsurface coal mining
2. Rod mills
3. Primary crushers
4. Jigging
5. Gravity dams
6. Eustatic changes of sea level
7. Sources and sinks
8. Continental shelf
9. Ocean tides
10. Deep sea manganese nodules
11. CRZ
12. Coastal erosion
13. Challenger Expedition
14. Sea floor spreading

(14 x 1 = 14 weightage)

PART B*Answer any seven questions, each not exceeding a paragraph.*

15. Characteristics of dimension stones
16. Geological factors in tunneling
17. Reservoir problems in dams
18. Prevention of landslides
19. Physical properties of sea water
20. Classification of marine sediments
21. Coastal protection structures

22. Significance of ocean currents
23. Rift valleys
24. Distribution of salinity in sea water

(7 x 2 = 14 weightage)

PART C

Write any two essays on the following

25. Describe the engineering properties of rocks
26. Give an account of magnetic and electrostatic separation of minerals
27. Describe the controlling factors and distribution of marine mineral resources
28. Give an account of the geomorphological features of coasts

(2 x 4 = 8 weightage)
