

18U523

(Pages: 2)

Name:

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2020

(CUCBCSS-UG)

(Regular/Supplementary/Improvement)

CC15U GL5 B12 - SEDIMENTOLOGY

(Geology - Core Course)

(2015 Admission onwards)

Time: Three Hours

Maximum: 80 Marks

Draw neat sketches wherever necessary

Part A

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

1. Rudaceous rock with angular grains.
2. An example for laminated sedimentary rock.
3. Sedimentary rock related to excretion of birds.
4. The common feldspar found in arkose.
5. A sandstone abundant in white mica.
6. Network of cracks in fine grained sedimentary rocks indicating prolonged exposure to atmosphere.
7. Bed load.
8. Coarse grained biogenic limestone.
9. An example for heavy mineral found in beach sands of Kerala.
10. The size range of oolites.

(10 x 1 = 10 Marks)

Part B (Short Answer Type Questions)

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

11. Compare concretions and ooliths.
12. Caliche.
13. Rain prints.
14. Greywacke.
15. Differentiate grain roundness and sphericity.
16. Types of cementing materials in clastic rocks.
17. Conglomerates.
18. Loess deposits.
19. Origin of Rock salt.

20. Trace fossils.
21. Graded bedding.
22. Siderites.

(10 x 2 = 20 Marks)

Part C (Paragraph Type Questions)

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

23. Explain process of diagenesis.
24. Laterites and their origin.
25. Analyze the sedimentary process of coal formation.
26. Stromatolites.
27. Compare clastic and non-clastic textures.
28. Explain siliceous deposits.
29. Classification of limestone.
30. Heavy mineral deposits.

(5 x 6 = 30 Marks)

Part D (Essay Type Questions)

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

31. Elaborate the factors concerning the classification of sedimentary deposits.
32. Describe various mechanical and chemical structures seen in sedimentary rocks. Add a note on their origin.
33. Describe classification of rudaceous deposits.
34. Give an account of classification of arenaceous rocks.

(2 x 10 = 20 Marks)
