

16U523

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Name:

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(CUCBCSS-UG)

CC15U GL5 B12 - SEDIMENTOLOGY

(Geology - Core Course)

(2015-Admission onwards)

Time: Three Hours

Maximum: 80 Marks

Part A

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

1. The principal mineral constituent of arenaceous rocks.
2. Name a non-clastic sedimentary rock.
3. The term used to represent the size, shape and arrangement of the component minerals in the sedimentary rocks.
4. is a common residual deposit seen in Kerala.
5. Name crystalline calcite cement in limestone.
6. The texture formed by the framework of matrix and cement is called
7. According to Wentworth scale, particles having a diameter between 64 mm to 4mm are described as
8. A sandstone with less than 10% matrix content is known as
9. Name the sedimentary environment in which oscillation ripples are formed.
10. The depositional environment in which sorted and rounded sand grains are seen.

(10 x 1 = 10 Marks)

Part B

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

11. Dolomitisation.
12. Conglomerate.
13. Mud cracks.
14. Guano.
15. Breccia.
16. Chert.
17. Clastic sedimentary rocks.
18. Graded bedding.
19. Lithification.
20. Oolitic limestone.

21. Bioherm.
22. Rudaceous deposit.

(10 x 2 = 20 Marks)

Part C

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

23. Heavy mineral deposits of Kerala.
24. Organic sedimentary deposits.
25. Petrology of Evaporates.
26. Sedimentary provenance.
27. Biogenic structures.
28. Types of calcareous deposits.
29. Chemical deposits.
30. Phosphatic deposits.

(5 x 6 = 30 Marks)

Part D

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

31. Describe the various textures of sedimentary rocks.
32. Describe in detail the grain size classes of sediments emphasizing Udden Wentworth grade scale.
33. Give an account of the classification of sandstones.
34. Write an essay on sedimentary structures.

(2 x 10 = 20 Marks)
