

19U523S

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Name:

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, DECEMBER 2021

(CUCBCSS-UG)

CC15U GL5 B12 - SEDIMENTOLOGY

(Geology - Core Course)

(2015 to 2018 Admissions – Supplementary/Improvement)

Time: Three Hours

Maximum: 80 Marks

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

1. A sedimentary rock composed of rounded gravel is called a _____
2. The angularity of the edges and corners of grains in a sedimentary rock is referred to as _____
3. The largest clast size in the range of gravel is _____
4. Sand is cohesionless sediment ranging in size between _____ mm and _____ mm.
5. Sand that is cemented with calcite is called _____
6. If a sandstone includes less than 15 percent matrix, and is composed of >90 percent quartz then it is called a _____
7. A common mineral found in carbonate sedimentary rocks is _____
8. Rock that is the result of compaction of variably decayed plant matter is referred to as _____
9. A dolostone is composed mostly of the mineral _____
10. Oolitic limestone is an example of an organic carbonate rock. True or false.

(10 × 1 = 10 Marks)

II. Define any *ten* questions in one or two sentences.

11. Chalk.
12. Terrarossa.
13. What factors influence rates of weathering?
14. Guana.
15. Ripple marks.
16. Conglomerates.
17. Stylolites.
18. Bioclasts.
19. Oolitic texture.
20. Chemical cement.

21. Flaser bedding.
22. Argillaceous deposits.

(10 × 2 = 20 Marks)

III. Write short essay on any *five* of the following questions.

23. Clastic Sedimentary rocks.
24. Chemical sedimentary rocks.
25. Udden-Wentworth scale
26. Rudaceous deposits.
27. Heavy minerals.
28. Describe the textures of the sedimentary rocks.
29. Residual deposits.
30. Granulometric analysis.

(5 × 6 = 30 Marks)

IV. Write essays on any *two* of the following:

31. Write an essay on primary sedimentary structures.
32. Give the recent classification of limestones and add a note on fresh water carbonate deposits.
33. Give an account of the Arenaceous deposits. Elaborate on Classification of Sandstones.
34. Write an essay on Sedimentary process. Add a brief note on stages of diagenesis.

(2 × 10 = 20 Marks)
