

23I503

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Name:

Reg.No:

FIFTH SEMESTER M.Sc. INTEGRATED GEOLOGY DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS)

(Regular/Supplementary/Improvement)

CC20GLO5IB07 / CC23GLO5IB07 - SEDIMENTARY PETROLOGY

(Geology)

(2020 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit: 3

Part A (Short answer questions)

Answer ***all*** questions. Each question carries 2 marks.

1. What are terrigenous clastic sediments?
2. Products of weathering.
3. What are the major techniques commonly used for grain size analysis?
4. Udden-wentworth size scale.
5. Suspended load.
6. Laminar flow.
7. Palaeoflow.
8. Recognition of ancient delta.
9. Coal.
10. Gravels.
11. Average mineralogical composition of a sandstone.
12. Dunham's classification of limestones.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer ***all*** questions. Each question carries 5 marks.

13. What is weathering? Explain what human activities highly impacts weathering and erosion.
14. Authigenesis.
15. Write a note on morphological elements of grains of sedimentary rock.
16. Sedimentary texture.
17. Eolian sediment transportatin.

18. Significance of sedimentary rocks.
19. Phosphatic sediments and phosphorites.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any ***one*** question. The question carries 10 marks.

20. Discuss inorganic and organic sedimentary structures with neat sketches.
21. Explain the formation and classification of argillaceous rocks.

(1 × 10 = 10 Marks)
