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Name: .....

Reg.No: .....

**FIFTH SEMESTER M.Sc. INTEGRATED GEOLOGY DEGREE EXAMINATION, NOV. 2024**

(CBCSS - PG)

(Regular/Supplementary/Improvement)

**CC20 GLO5 IB07 - 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. Processes involved in beach rock formation.
3. Settling technique.
4. Normal classification of size of sediments.
5. Saltation.
6. Methods of transportation of sediments by wind.
7. Unidirectional palaeo indicators.
8. Syndimentary structures.
9. Carbonaceous deposits.
10. Mudshale.
11. Micrite and sparite.
12. Stochiometric dolomites.

**(Ceiling: 20 Marks)**

**Part B** (Short essay questions - Paragraph)

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

13. Factors affecting weathering and explain mechanical weathering process.
14. Soil and paleosoil.
15. What are the major components of a clastic rock?
16. Explain mechanically formed sedimentary structures.
17. Discuss laminar and turbulent flow.

18. Siliciclastic sedimentary rocks.

19. Igneous breccia.

**(Ceiling: 30 Marks)**

**Part C** (Essay questions)

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

20. Discuss about the particle morphology.

21. Differentiate between Folk's and Pettijohn's classification of sandstones.

**(1 × 10 = 10 Marks)**

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