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**25-GE-23**

**M.Sc. II SEMESTER [MAIN/ATKT] EXAMINATION  
MAY - JUNE 2025**

**GEOLOGY**

Paper - III

**[Sedimentology]**

*[Max. Marks : 75]*

*[Time : 3:00 Hrs.]*

*[Min. Marks : 26]*

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**Note :** Candidate should write his/her Roll Number at the prescribed space on the question paper.  
Student should not write anything on question paper.  
Attempt all five questions. Each question carries an internal choice.  
Each question carries **15 marks**.

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**Q. 1** What is Sedimentary Rock ? Describe the classification of sedimentary rocks.

**OR**

Write notes on the following -

- i) Lithification and diagenesis.
- ii) Modes of Transport of Sediments.

**Q. 2** Describe the different sedimentary structures and their significance.

**OR**

Write notes on the following -

- i) Classification of Sandstone.
- ii) Classification of Limestone.

**Q. 3** Describe the texture and genetic significance of sedimentary rocks.

**OR**

Write notes on the following -

- i) Factors influencing sedimentary textures.
- ii) Interpretation of nature of sediments.

**Q. 4** Describe the continental environment in detail.

P.T.O.

**OR**

Write note on the following -

- i) Transitional Environments.
- ii) Elements of Depositional Environments.

**Q. 5** Describe the concept and types of Sedimentary Provenance.

**OR**

Write notes on the following -

- i) Separation and Significance of Heavy Minerals.
- ii) Kay's classification of tectonic elements.

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