

**M.Sc. II Semester Degree Examination, Sept./Oct. - 2024****APPLIED GEOLOGY****Sedimentary Petrology****(NEP)**

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions, each question carries **equal** marks.

1. Explain the following : **14**
 - (a) Define Weathering and Erosion. Explain the process of weathering.
 - (b) Classification of Sedimentary Rocks.

2. Add a note on : **14**
 - (a) Sedimentary textures.
 - (b) Terrigenous sediments.

3. Answer the following : **14**
 - (a) Tectonics and sedimentation process.
 - (b) Sedimentary structures.

4. Discuss the following : **14**
 - (a) Limestone and dolomite.
 - (b) Carbonaceous sedimentary rocks with an example.

5. Write a note on : **14**
 - (a) Basin forming process.
 - (b) Marine marginal environments.

6. Explain the following : **14**
 - (a) Explain the Poleo current analysis.
 - (b) Sedimentary basins of India.



- 7.** Discuss the following : **14**
- (a) Origin, diagenesis and depositional environment of sandstone.
 - (b) Tidal-flat system.
- 8.** Write a short note on : **14**
- (a) Aeolian and glacial sedimentary systems
 - (b) Evaporates and phosphorites.
 - (c) Shale

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