



**M.Sc. IV Semester Degree Examination, Sept./Oct. - 2024**

**APPLIED GEOLOGY**

**Engineering Geology**

**(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) Physical characters of concretes and other aggregates.
  - (b) Types of building stones used in engineering constructions.
2. Add a note on : **14**
  - (a) Foundations of dam construction.
  - (b) Methods of geological investigations in tunnelling.
3. Answer the following : **14**
  - (a) Geological considerations of Seismicity.
  - (b) Geological considerations of Bridges.
4. Discuss the following : **14**
  - (a) Coastal erosion and causative factors.
  - (b) Causative factors of landslides.
5. Write a note on : **14**
  - (a) Causes of land subsidence.
  - (b) Geological investigations for harbour construction.
6. Explain the following : **14**
  - (a) Remote sensing in engineering geology.
  - (b) Types of Dams.
7. Discuss the following : **14**
  - (a) Types of Bridges.
  - (b) Causes and remedial measures of land subsidence.
8. Write a short note on : **14**
  - (a) Engineering properties of rocks.
  - (b) Geological investigations in tunnels.
  - (c) Seismic waves.

