



M.Sc. IV Semester Degree Examination, October - 2023

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) Engineering properties of rocks
 - (b) Remote sensing in engineering geology.
2. Add a note on : **14**
 - (a) Methods of tunnelling
 - (b) Types of bridges.
3. Answer the following : **14**
 - (a) Mass movements in landslides and hill-slope stability
 - (b) Problems during the dam construction.
4. Discuss the following : **14**
 - (a) Coastal erosion and its impacts
 - (b) Geological investigations for harbour construction.
5. Write a note on : **14**
 - (a) Classification of landslides
 - (b) Coastal protection structures.
6. Explain the following : **14**
 - (a) Geotechnical problems related to foundation for bridges
 - (b) Scope of geology in civil engineering and mining industry.
7. Discuss the following : **14**
 - (a) Seismicity and its causative factors
 - (b) Types of dams.
8. Write a short note on : **14**
 - (a) Constructions of roads
 - (b) Earthquakes
 - (c) Building stones

