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**25-GE-42**

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

### **GEOLOGY**

Paper - II

#### **[Environmental Geology and Engineering Geology]**

*[Max. Marks : 75]*

*[Time : 3:00 Hrs.]*

*[Min. Marks : 26]*

**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**.

**Q. 1** Describe the Global Warming its causes and effects on Environment. (15 Marks)

**OR**

Write short notes on the following -

- i) Urban Environmental problem causes and remedies. (7½ Marks)
- ii) Air, Water and Soil pollution and its environmental effects. (7½ Marks)

**Q. 2** What is Hazards ? Describe natural hazards in brief. (15 Marks)

**OR**

Write short notes on the following -

- i) Man induced Hazards. (7½ Marks)
- ii) Solid Waste Management and Waste Water Management. (7½ Marks)

**Q. 3** Describe the application of Remote Sensing and G.I.S. (15 Marks)

**OR**

Write short notes on the following -

- i) Water Pollution and Acts. (7½ Marks)
- ii) Landslides. (7½ Marks)

**Q. 4** Describe Engineering properties of rocks in brief. (15 Marks)

P.T.O.

**OR**

Write short notes on the following -

- i) Dam and Tunnel Geological investigation. (7½ Marks)
- ii) Geophysical methods for the selection of Engineering sites. (7½ Marks)

**Q. 5** Describe Hydrological properties of rocks. (15 Marks)

**OR**

Write short notes on the following -

- i) Core logging, core recovery and preservation of cores. (7½ Marks)
- ii) R.Q.D. Analyzers. (7½ Marks)

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