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24-GE-42

**M.Sc. IV SEMESTER [MAIN/ATKT] EXAMINATION
JUNE - JULY 2024**

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 five questions. Each question carries an internal choice.
Each question carries **15 marks**.

Q. 1 Describe impact of mining activity on Environment.

OR

Write notes on the following -

- i) Discuss the causes of soil and land degradation.
- ii) Discuss the causes and remedies of Urban Environmental Problem.

Q. 2 What is Natural Hazards ? Describe its impact on Environment.

OR

Write notes on the following -

- i) Waste Water Management.
- ii) Conservation and Management of Natural Resources.

Q. 3 What is GIS ? Describe the application of GIS in Environmental Geology.

OR

Write notes on following -

- i) Mass Movement.
- ii) Water Pollution Acts.

Q. 4 Describe the Engineering properties of rocks and soils.

OR

P.T.O.

Write notes on following -

- i) Discuss geological condition for the excavation of Tunnels.
- ii) Scope of Geology in Civil Engineering.

Q. 5 Discuss in detail Hydrological properties of Rocks.

OR

Write notes on following -

- i) Core Logging.
- ii) Preparation and Presentation of Geotechnical reports.

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