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25-GE-43-B

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

GEOLOGY

Paper - III

[Computer Applications in 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 What is Computer ? Describe the Hardware and Software components of computer.

OR

Write notes on –

- i) Classification of computers.
- ii) Capabilities and limitations of computers.

Q. 2 Describe the general working of computer. Write about the storage devices.

OR

Write notes on –

- i) Types of Software.
- ii) Input and output devices particularly useful for map related works.

Q. 3 What is Spreadsheet ? Discuss how a spreadsheet program like MS Excel can be used for geological data processing.

OR

Write notes on –

- i) Computer languages.
- ii) Flowchart.

Q. 4 What are the basic concepts of Computer Programming ? Describe about data types, variables and constants.

P.T.O.

OR

Write notes on –

- i) Commonly used file formats.
- ii) Loops and list in Python.

Q. 5 What is Database Management System ? How SQL is used to retrieve data from database ?

OR

Write notes on –

- i) Commonly used software for Geology.
- ii) What is cloud computing and Big data.

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