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Name:

Reg.No:

SECOND SEMESTER M.Sc DEGREE EXAMINATION, APRIL 2026

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19PGEL2C07 - HYDROGEOLOGY

(Applied Geology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Salinewater Intrusion.
2. What is the principle of Resistivity method?
3. Advantage and disadvantage of Remote Sensing Groundwater Exploration.
4. Well Logging.
5. Bored well.
6. Groundwater problem with Tunnel Construction.
7. Cenozoic Fault Basin Province.

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Types of precipitation.
9. What are springs? How are springs useful as a source of water supply?
10. Water table contour maps.
11. Discuss Jacob Method and its significance.
12. What are the different drilling methods of well?
13. Various methods used for Artificial Recharge.
14. Describe various methods used for Groundwater developments in India.

(4 × 3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. Explain different methods of permeability determination in laboratory and field.
16. Describe Darcy's Law and its applications.
17. Pumping tests Data analysis and interpretation.
18. Describe various physical and chemical properties of groundwater.

(2 × 5 = 10 Weightage)
