

22U532

(Pages: 2)

Name:

Reg.No:

FIFTH SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2024

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U GEO5 D03 - GROUND WATER EXPLORATION AND MANAGEMENT

(Geology - Open Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Groundwater occurrence in metamorphic rock.
2. Capillary rise.
3. Watertable gradient.
4. Aquifer.
5. Aquifer properties of laterite and clayey sand.
6. Vertical electrical sounding.
7. Differentiate tube well and bore well.
8. Add a note on acidizing.
9. Define desirable limit and permissible limit.
10. Salinity.
11. Depletion of groundwater.
12. Groundwater harvesting.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Role of biological indicators in groundwater explorations.
14. Instruments used in electrical resistivity method.
15. Differentiate between laterite and fractured crystalline rock as aquifer.
16. Describe the merits and demerits of lining open well by dry rubble packing.
17. What are the waterborne diseases and their remedial measures.

18. Sustainable Groundwater management practices explain.

19. What are the different techniques used for cloud seeding.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

20. Explain role of remote sensing in groundwater exploration.

21. Saltwater intrusion and remedies.

(1 × 10 = 10 Marks)
