



Government College (Autonomous), Rajamahendravaram

(Affiliated to Adikavi Nannaya University)

**SEMESTER-VI- Elective Paper
Ground Water: Geology & Exploration
Model Question Paper**

Time: 3 Hours

Max.Marks: 60

Note: Answer any Four Questions All questions carry equal marks.

4 X 10=40

PART- A

- 1). Define Hydrology and Hydrogeology. Explain the scope and applications of Hydrogeology.
- 2). Define Hydrologic Cycle and describe the different process involved with the help of a neat diagram,
- 3). Give an account of vertical distribution of Ground water.
- 5). What is an aquifer? Describe various types of aquifer.
- 6). Explain the rock properties of an aquifer of ground water.

PART – B

4 x 5 = 20

Answer any Four Questions. Each question carry 5 marks

7. What are the Forms Of Ground Water
8. Define Porosity And Permeability?
9. What are standards For Domestic water by WHO?
10. What is the Role of Geologist in Hydrogeology?
11. Difference between the consolidated and unconsolidated deposits?
12. Describe Recharge pit method



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**SEMESTER-VI- Elective Paper
PRACTICAL MODEL PAPER**

Course -VII-: Ground Water: Geology & Exploration

Max.Marks: 50

1. Experiment	-----	1 X 10 = 10
2. Problems	_____	2 X 10 = 20
3. Field work	_____	10
4. Record	—	10

Total Marks	_____	50

