



QP CODE: 25019376



25019376

Reg No :

Name :

**B.Sc DEGREE (CBCS)) REGULAR/ IMPROVEMENT/ REAPPEARANCE / MERCY
CHANCE EXAMINATIONS, FEBRUARY 2025**

Fourth Semester

B.Sc Geology and Water Management Model III

Vocational Course - GW4VOT07 - WATER SUPPLY MANAGEMENT

2017 Admission Onwards

7F699AC7

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Reasons for the analysis of water.
2. Short note on various analysis of water.
3. Explain completed test.
4. Define clarifier.
5. Hopper bottom sedimentation tanks.
6. Define coagulation.
7. Define anthrafilt.
8. List out various efficiency of Rapid sand filter.
9. Define Washwater trough.
10. Discuss about Silver treatment.
11. Define free available chlorine.
12. List out the physical pollutants.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Short note on precautions during water sample collection.





14. Short note on colour of water.
15. Explain continuous flow type tank with diagram.
16. Explain sedimentation aided with coagulation.
17. Discuss about working, cleaning and efficiency of rapid sand filter.
18. Diagrammatic representation of rapid sand filter.
19. Explain about the application of chlorine.
20. Discuss about break point chlorination with neat sketch.
21. Distinguish between natural and artificial types of water pollution.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Discuss about chemical test for the analysis of water.
23. Explain principle of coagulation, factors which determine the efficiency of coagulant and working of various coagulants.
24. Explain about working and cleaning process of rapid sand filter with neat sketch.
25. Explain about bacteriological pollution and discuss about the effects of water pollution and precautionary measures for water pollution.

(2×15=30)

