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D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1
SEMESTER EXAMINATIONS

JUNE - 2022

19SCH4A

SKILL BASED SUBJECT-II: WATER ANALYSIS AND TREATMENT

Time: 2 Hours

Max. Marks: 50

SECTION – A (10 x 2 = 20)

Answer ALL the questions.

1. What do you know about total dissolved solids?
2. What is meant by ozonisation?
3. Write any two differences between hard water and soft water.
4. Write the uses of EDTA.
5. What is meant by priming?
6. What are the conditions to be followed in packaged drinking water?
7. What do you know about the potable water?
8. What is meant by sampling of water?
9. What is most probable number?
10. What do you know about E. coli index?

SECTION – B (3 x 10 = 30)

Answer any THREE of the following questions.

11. Write notes on
 - (i) contact and electrochemical coagulation
 - (ii) sterilization and disinfection of water.
12. Discuss any two types of water softening methods.
13. Write notes on electrodialysis and reverse osmosis.
14. How will you detect the presence of iron, manganese, zinc and silver in water?
15. Write notes on biological oxygen demand and chemical oxygen demand.

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