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

APRIL – 2018

15SCH4A

SKILL BASED SUBJECT-II: WATER ANALYSIS AND TREATMENT

Time : 2 Hrs

Max. Marks : 50

SECTION-A (10 x 2 = 20)

Answer ALL the questions.

1. What are the characteristics of potable water?
2. What is meant by sterilization?
3. What is meant by softening of water?
4. Write the advantages of zeolite process.
5. What is meant by priming?
6. Define Dissolved Oxygen.
7. Define pH.
8. Write the formula to determine TDS and TSS of water.
9. Define BOD.
10. How is water bodies contaminated?

SECTION-B (3x 10 = 30)

Answer any THREE of the following questions.

11. How will you soften water by using ion exchange and reverse osmosis method?
12. How will you determine the hardness of water by Complexometric method?
13. a) What are the essential requirements of boiler feed water? (4 marks)
b) Write note on sludge and scale formation in boilers. (6 marks)
14. Give an account of water analysis. How will you determine alkalinity, turbidity and electrical conductivity of water?
15. Write the procedure for MPN test for faecal coliform.

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