

Reg No:

--	--	--	--	--	--	--	--	--	--

D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1
SEMESTER EXAMINATIONS
APRIL - 2016 **12SCH4A**
WATER ANALYSIS AND TREATMENT

Time : 2 Hrs

Max.Marks : 50

SECTION-A (10 x 2 =20)

Answer ALL the questions.

1. What is meant by coagulation?
2. How will you sterilise water by using bleaching powder?
3. How is water softened by cold lime – soda process?
4. Write the advantages of zeolite process.
5. Explain priming.
6. How will you remove dissolved CO_2 ?
7. Explain the term turbidity.
8. How will you determine total dissolved salts?
9. Define COD.
10. Explain the term Dissolved oxygen.

SECTION-B (3 x 10 =30)

Answer any THREE of the following questions.

11. Write notes on
 - (i) Desalination.
 - (ii) Reverse osmosis.
 - (iii) Electrodialysis. (3+3+4)
12. Explain softening of water by
 - (i) Zeolite process.
 - (ii) Ion exchange process.
13. Write the methods of treatment of wastewater from petroleum refinery.
14. How will you determine electrical conductivity, acidity and total solids in water samples?
15. Explain in detail about the bacteriological examination of water.

* * * * *