

Total No. of Questions : 4]

SEAT No. :

**P789**

[Total No. of Pages : 2

**[5315]-378**

**T.Y.B.Sc.**

**ENVIRONMENTAL SCIENCES**

**ENV-303: Water Quality**

**(2008 & 2013 pattern)(New course)(Paper - III) (Semester-III)  
(92433)**

**Time : 2Hours]**

**[Max. Marks : 40**

**Instructions to the condidates:**

- 1) *All questions are compulsory.*
- 2) *Neat and labelled diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*

**Q1) Attempt the following in 1-2 lines each**

**[10]**

- a) Define chemical weathering of rocks.
- b) What is meant by water vector habitat disease.
- c) Enlist two water borne disease.
- d) What is anionic detergent.
- e) Write full form of BIS.
- f) Enlist two advance water treatment.
- g) Define COD.
- h) What is ballast water?
- i) Write full form of UASB.
- j) What is hard water.

**Q2) Write short note on(Any two)**

**[10]**

- a) Solubility of gases in water.
- b) Biotransformation of heavy metals.
- c) Oil spills in marine environment.

**P.T.O.**

**Q3)** Answer any two from the following. **[10]**

- a) Which factor determines the movements and distribution of pollutants in water.
- b) Explain the role of indian legislation in water crisis.
- c) What are the effects of eutrophication.

**Q4)** Attempt any one of the following question **[10]**

- a) Explain the concept of oxygen demand. Briefly write the BOD analysis Procedure.
- b) What are the impact of thermal pollution on aquatic life .

