

(Time: 3 Hours)**[Total marks: 80]**

Please check whether you have got the right question paper.

N.B.: (1) Question No 1 is compulsory**(2) Attempt any three questions out of remaining five questions****(3) Assume suitable data if necessary and indicate it clearly.****(4) Figures to the right indicate full marks.**

- Q1. (a) What do you mean by industrial pollution? How it is generated in Industry? 06
 (b) What are the physiochemical properties of Industrial polluted water? 08
 (c) What is noise pollution? 06
- Q2. (a) Explain the different water softening methods. 10
 (b) Explain different acts for water pollution 10
- Q3. (a) Explain various method for measurement of water and air pollution in given industrial sample. 10
 (b) What is nuclear pollution and explain different acts associated with Nuclear pollution. 10
- Q4. (a) Explain pollution control and prevention in paper and pulp industry. 10
 (b) Explain pollution control and prevention in sugar industry. 10
- Q5. (a) State the difference between anaerobic and aerobic stabilization process and explain in anaerobic digestion with its neat diagrams. 10
 (b) Explain the working of Sludge drying bed (SDB). 10
- Q6. (a) What are the role of mixer and flocculation in designing of ETP? 10
 (b) Explain pollution control and prevention in Petroleum refineries. 10
