

R09**Code: 9A01704**

B.Tech IV Year I Semester (R09) Regular & Supplementary Examinations December 2015

ENVIRONMENTAL ENGINEERING - II

(Civil Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions

All questions carry equal marks

- 1 (a) List different sources and pollutants causing air pollution.
(b) Discuss the effects of air pollutants on materials.
- 2 (a) List the equipments used for controlling particulate matter and explain any one briefly.
(b) What is absorption process? Explain with examples the removal of gas pollutants using absorption process.
- 3 (a) Explain defluoridation process practiced in India.
(b) Giving chemical reactions, explain ion exchange process for hardness removal.
- 4 (a) Explain different methods of volume reduction during waste water treatment.
(b) What is equalization? Discuss the process and its advantages.
- 5 (a) Give a brief classification of solid wastes.
(b) List and explain briefly different processing techniques of solid wastes prior to treatment.
- 6 (a) Sketch and explain any one method of land filling.
(b) Explain the importance of 3T's in an incineration process.
- 7 (a) Give a brief classification of biomedical waste.
(b) What are the environmental impacts of disposal chemical wastes?
- 8 (a) What are the different methods of controlling noise pollution?
(b) Explain the salient features of water act.
