

Code: 9A01704

R09

B.Tech IV Year I Semester (R09) Regular & Supplementary Examinations December 2014

ENVIRONMENTAL ENGINEERING - II
(Civil Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Discuss the effects of carbon monoxide and lead on human beings.
(b) Write an explanatory note on air emission standards.
- 2 (a) With the aid of a neat sketch, explain the working principle of settling chamber.
(b) Write a brief note on the adsorption technique used in controlling gaseous pollutants.
- 3 (a) What is defluoridation? Explain the different techniques of defluoridation.
(b) Write an explanatory note on reverse osmosis process.
- 4 (a) Explain in brief, how volume reduction and strength reduction are brought about during handling of industrial wastewater.
(b) How phosphates are removed from industrial wastewater?
- 5 (a) Explain the different sources of solid waste.
(b) Describe the various methods of sorting the solid waste.
- 6 (a) Explain the different methods used for land filling of solid waste.
(b) Describe briefly a conventional incinerator, with the help of neat sketch.
- 7 (a) How do you dispose the nuclear waste?
(b) Write a note on *water (Prevention and control) act*.
- 8 Write short note on:
 - a) (Environmental audit.
 - (b) Chemical waste disposal.
 - c) (Aerobic composting of solid waste.
 - (d) Control methods of noise pollution.
