

Code: 9A01704

R09

B.Tech IV Year I Semester (R09) Supplementary Examinations June 2016

ENVIRONMENTAL ENGINEERING - II

(Civil Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) What are primary and secondary pollutants? Explain with examples.
(b) Explain briefly the global effects of air pollution.
- 2 (a) List methods of controlling gaseous pollutants and briefly explain any one of them.
(b) Sketch and explain the working of settling chamber.
- 3 (a) Explain the principle of reverse osmosis process.
(b) What are the applications and advantages of ultrafiltration for treatment of waste water?
- 4 (a) What is neutralization? What are its advantages for treating industrial waste water?
(b) Explain nitrification and denitrification process for treating waste water.
- 5 (a) Explain the properties of solid wastes.
(b) What are the different types of collection systems for solid wastes collection?
- 6 (a) Sketch and explain gas recovery systems from landfills.
(b) Discuss the factors affecting composting process.
- 7 (a) Explain the characteristics of hazardous wastes.
(b) Write an explanatory note on nuclear wastes.
- 8 (a) Explain briefly the step by step procedure of environmental audit.
(b) What are the environmental impacts of noise pollution?
