

Roll No.

24518

B. Tech 7th Sem. (Civil Engineering)

Examination – June, 2016

ENVIRONMENTAL POLLUTION AND CONTROL

Paper : CE-411-F

Time : Three Hours] [Maximum Marks : 100

Before answering the question, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any *five* questions. All questions carry equal marks.

- 1.** (a) Explain about lagooning and high rate anaerobic treatments. 10
(b) Discuss about main principal of land use planning as a method of control of air pollution. 10

- 2.** What are the approaches for controlling the oxides of nitrogen in combustion gases ? Discuss the control

methodology of oxides of nitrogen by combustion modification. 20

7. (a) Write short note on Environment Protection Act, 1986 10
(b) The Air Prevention and Control of Pollution. 10

3. (a) Name water-borne diseases caused by bacteria, viruses, protozoa. How are the incidences of these diseases prevented ? 10

(b) Discuss the problems and issues related to the environment and their impact on society. 10

4. (a) State various parameters affecting emission in CI and explain any **one** control method for automotive pollution control. 10

(b) What are the deleterious effects produced on the human body when exposed to high level of noise ? 10

5. (a) State different methods for disposal of radioactive wastes. 10
(b) Explain photo chemical smog and coal - induced smog. 10

6. (a) India's one of the most widely used fossil fuels is coal. How does it affect our environment from air pollution point of view ? 14
(b) Define Audi-process. 6

8. Explain the following terms : 20

- (i) Refuse disposal by incineration
- (ii) Evaporative emission
- (iii) Importance of biodiversity