

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

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methodology of oxides of nitrogen by combustion modification. 20

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

7. (a) Write short note on Environment Protection Act, 1986 10

(b) The Air Prevention and Control of Pollution. 10

8. Explain the following terms : 20

(i) Refuse disposal by incineration

(ii) Evaporative emission

(iii) Importance of biodiversity