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Roll No

CM-7003-CBGS

B.E. VII Semester

Examination, December 2020

Choice Based Grading System (CBGS)

Environmental Engineering

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Discuss the major component of life support system.
b) Describe the major adverse effect of environmental pollution on human being and plant kingdom.
2. a) What are the main features of the Air (Prevention and Control of Pollution) Act 1981 of Government of India?
b) Explain the principles. Construction and working of Cyclone Separator.
3. a) How air pollutants are classified? Explain in detail.
b) Explain how meteorological condition influence air pollution.
4. a) Explain 'Chemical Inversion' and 'Working of Bag filter'?
b) Discuss in detail the classification of water pollutants.

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5. a) What is B.O.D.? Describe the method of its determinations.
b) Write descriptive note on “Recycling of solid wastes”.

6. a) What is meant by activated sludge? Describe the activated sludge process for the treatment of sewage and write the merits and demerits of this process.
b) Describe the ‘Sanitary Landfill’ method for disposal of solid wastes.

7. a) Discuss the various effects of Noise Pollution.
b) Discuss the various techniques adopted in industries to reduce noise pollution.

8. Write short notes on any three
 - i) C.O.D.
 - ii) Types of plume
 - iii) Noise measurement
 - iv) Air pollution from refinery
