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Roll No

CM-705 (GS)
B.E. VII Semester Examination, June 2020
Grading System (GS)
Environmental Engineering

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. A settling chamber that is 12 m long 2m high, and 2 m wide processes 240 m³/m of air at a temperature of 75°C. Determine the maximum size of the particle with specific gravity of 1.8 that is removed with a theoretical efficiency of 100 percent.
2. What is sustainable development? How can this be achieved? Explain giving suitable examples.
3. a) Write the environmental factors related to pulp and paper industries.
b) How will you tackle the pollution problems in alcohol industries.
4. Discuss, how planned industrial development can help in controlling environmental pollution? What steps are necessarily be taken?
5. What are the sources of water? Describe the different impurities present in water with particle size distribution.
6. a) Explain environmental pollution and its effect on human beings, animal and vegetation system.
b) Explain the environmental guidelines for process industries.
7. a) Write short notes on:
i) EIA
ii) Electrostatic precipitator
b) Describe different primary and secondary air pollutants
8. Write short notes on any two:
a) Pollution problem in petrochemical refineries.
b) Noise mitigation measures.
c) Solid waste management in cement industries.
d) Air pollution control measures.
