

Roll No.

Exam Code : J-19

Subject Code—0664

P.G.D.E.M. EXAMINATION

(Batch 2011 Onwards)

**POLLUTION CONTROL AND
MANAGEMENT**

PGDEM-04

Time : 3 Hours

Maximum Marks : 70

Section A

Note : Attempt any *Seven* questions. **7×5=35**

1. Sludge Management.
2. Trickling Filter.
3. Oxidation Pond.
4. Hydraulic Rate Time.
5. Composting.

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6. Bioreactor.
7. Anaerobic digestion.
8. Reverse osmosis.
9. Ambient air quality monitoring.
10. Solid waste conversion.

Section B

Note : Attempt all the questions.

11. Discuss the different categories of solid waste and the source of different type of solid waste.

Or

Write notes on the following :

- (i) Solid waste management
- (ii) Ion exchange
- (iii) Dialysis. **3×4=12**

12. Define Wastewater. Discuss the process for removal of colloidal solids, dissolved organic and inorganic solids.

Or

Write down the Indian standard for the disposal of industrial wastewater for the following parameters :

- (i) Nitrate
- (ii) Dissolved Phosphate
- (iii) Suspended solids
- (iv) Arsenic
- (v) COD
- (vi) BOD. **6×2=12**

13. Discuss the various strategies to control noise pollution.

Or

Explain various methods for sampling gaseous air pollutants. **11**