

M.Sc. - II (Environmental Science) (NEP Pattern) Semester-IV
PMENVT15 - Paper-XV : Pollution Control and Industrial Safety

P. Pages : 1

Time : Three Hours



GUG/S/25/16350

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Illustrate the answers with suitable diagrams and examples.

1. Explain nature of large and small-scale industries. Add the role of industrialization in India. **16**

OR

a) Describe new industrial policy. **8**

b) Explain categories of red, orange and green industries. **8**

2. Discuss Common Effluent Treatment Plant (CETP). **16**

OR

a) Explain sources of nitrogenous waste in fertilizer industries. **8**

b) Describe reverse osmosis process for the removal of chromium in industries. **8**

3. Explain operation and maintenance of screens and grit chamber in preliminary treatment. **16**

OR

a) Describe operation of flash mixer in primary treatment unit. **8**

b) Explain techniques of maintenance of trickling filter in an industry. **8**

4. Discuss nature and causes of accidents in an industry. **16**

OR

a) Explain general safety rules for industrial safety and security. **8**

b) Describe equipments for fire safety. **8**

5. a) Write a note on industrial sickness. **4x4 =16**

b) Give sources of phenolic effluents in industries.

c) Explain process of maintenance of pumps.

d) Write about industrial fatigue.
