

M.Sc. (Part-II) (Environmental Science) (CBCS Pattern) Semester - IV  
**PSCENVT14 - Paper-XIV (Core-12) : Pollution Control and Industrial Safety**

P. Pages : 1

Time : Three Hours



**GUG/S/23/11376**

Max. Marks : 80

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

1. Discuss industrial development in India. Highlight the role and pattern of industrialization. **16**
- OR**
- a) State the new industrial policy of India. Shed light on the legal framework of industrial regulation in India. **8**
- b) What is industrial sickness? Discuss the problems and remedial measures for it. **8**
2. Describe the methods for removal of chromium and mercury from waste water. **16**
- OR**
- a) Describe the methods for removal of nitrogenous waste in fertilizer industry. **8**
- b) Highlight the various steps involved in CETP. **8**
3. Describe the operation and maintenance of trickling filter. **16**
- OR**
- a) How maintenance of flash mixer and settling tank is carried out? **8**
- b) Discuss the operation of oil & grease trap and equalization tank. **8**
4. Describe the equipment's and operational procedure used for safety from industrial fire. **16**
- OR**
- a) Discuss classification of accidents in industry. **8**
- b) Mention the types of industrial hazards. How their measurement is carried out? **8**
5. a) Give an account on categories of industries. **4x4**  
b) Explain the method for BOD removal from waste water. **=16**  
c) How the maintenance of ion exchanger is carried out?  
d) Discuss the control measures for industrial noise.

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