

MSc2472 - (Old-Paper-VI + CBCS Paper-XIV PSCENVT14 (Core-XII)) :
Pollution Control and Industrial Safety

P. Pages : 1

Time : Three Hours



GUG/S/18/5750

Max. Marks : 80

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

1. What are the problems associated with industrial sickness in India? What remedial measures should be taken to enhance industrial development? **16**
- OR**
- a) Give the legal framework of industrial regulation in India. **8**
- b) Describe small and large scale industries w. r. t. their nature and importance. **8**
2. What are the sources of nitrogenous waste in fertilizer industries? Describe the methods for removal of nitrogen by using physical and chemical processes. **16**
- OR**
- a) Describe how mercury is removed from gaseous and liquid streams. **8**
- b) Discuss stepwise treatment in CETP. **8**
3. Discuss operational and maintenance procedure of trickling filter. **16**
- OR**
- a) How flash mixer and agitator are maintained? **8**
- b) Describe the operation of pumps in wastewater treatment plant. Add a note on maintenance of pumps. **8**
4. Discuss in brief the industrial hazards w. r. t. heat stress, noise and vibrations. **16**
- OR**
- a) What are the nature and causes of industrial accidents? **8**
- b) Write explanatory note on stress prevention and management. **8**
5. a) Describe how industrial development is related with economic development. **4**
b) What is the principle of CETP? **4**
c) Explain the operation of equalization tank **4**
d) Classify industrial accidents. **4**
