

10. Write brief notes on :

- (a) Notifiable diseases. (5)  
 (b) Need for occupational health hygiene. (5)

11. Discuss the advantages of regular inspection of work places where men and machines are involved. (10)

12. Write short notes on :

- (a) Land-fill wastes and leachates. (5)  
 (b) Considerations for compositing putrefiable wastes. (5)

Register Number :

Name of the Candidate :

**7 2 7 4**

**DIPLOMA EXAMINATION, 2010**

**( FIRE AND SAFETY )**

**( PAPER - IV )**

**140. OCCUPATIONAL HEALTH  
AND ENVIRONMENT**

December ]

[ Time : 3 Hours

Maximum : 100 Marks

**SECTION - A** (3 × 20 = 60)

*Answer any THREE questions.*

*All questions carry equal marks.*

1. Write with example on the nature and origin of

(a) Biological

and (b) Chemical

hazards encountered in work places. (20)

**Turn Over**

2. (a) State in detail the causes of water pollution. (10)
- (b) How is water pollution taken care of for industrial effluents? (10)
3. (a) Mention the bad effects of noise on human beings and to the environment. (10)
- (b) (i) Define the terms lux and illumination. (4)
- (ii) What are the factors that require consideration in the selection of work place lighting? (6)
4. Mention in detail the environmental guidelines to be given importance for selection of industrial sites. (20)
5. (a) Define with examples the term hazardous wastes. (10)
- (b) Mention briefly the treatment methods adopted for two types of hazardous wastes. (10)

**SECTION - B** (4 × 40 = 40)

*Answer any FOUR questions.*

*All questions carry equal marks.*

6. State the purpose of environment impact assessment stressing on the basic factors to be addressed. (10)
7. Taking any example of an industry, give the treatment process adopted for air pollutants emerging from heat industry. (10)
8. (a) Write a note on the decibel scale and measurement of sound pressure. (5)
- (b) State the type of ventilation required for hot work atmosphere. (5)
9. Mention the methods chosen for industrial health monitoring for
- (a) Lung diseases. (5)
- (b) Toxic contaminations. (5)