

5. Discuss in detail about waste management techniques. How hazardous waste materials are disposed ?

**PART - B** (4 ×10= 40)

*Answer any FOUR questions.*

*All questions carry equal marks.*

6. Discuss the role of environmental chemistry in preventing pollution.
7. Write short notes about sources and classification of solid wastes.
8. With a neat sketch, explain the activated sludge process for waste water treatment.
9. Explain in detail about reasons and preventive measures for global warming.
10. Write short notes on the functions of Pollution Control Board.
11. What are the causes and ill-effects of land degradation ?
12. Discuss the characteristics of various industrial waste water.

Register Number :

Name of the Candidate :

**7 2 7 8**

**DIPLOMA EXAMINATION, 2010**

**(HEALTH, SAFETY AND ENVIRONMENT)**

( PAPER - IV )

**140. ENVIRONMENT AND POLLUTION**

December ] [ Time : 3 Hours

Maximum : 100 Marks

**PART - A** (3 ×20= 60)

*Answer any THREE questions.*

*All questions carry equal marks.*

1. Explain the effect of pollution on man and environment.
2. Describe in detail about disposal methods for urban and rural solid wastes.
3. Discuss in detail about sources and effects of water pollution.
4. Explain the various causes and preventive measures for air pollution.

**Turn Over**

4. (a) Explain the concept of OCR, OMR and bar code readers. (10)
- (b) Mention the various impact and non-impact printers and explain in detail.(10)
5. Explain the working principles of moving and fixed disk storage devices. (20)
6. (a) Elucidate the functions of an operating system. Also, write the role of an operating system as resource manager.(10)
- (b) Discuss the importance of multiuser system. (10)
7. (a) List and explain the components that are essential to form a network. (12)
- (b) Discuss the working methodology of a metropolitan area network. (8)
8. With neat diagram, explain the OSI / ISO reference model. (20)

Register Number :

Name of the Candidate :

**7 2 9 2**

**DIPLOMA EXAMINATION, 2010**

( COMPUTER APPLICATIONS )

( PAPER - I )

**110. INTRODUCTION TO COMPUTERS**

December ]

[ Time : 3 Hours

Maximum : 100 Marks

( 5 ×20=100)

*Answer any FIVE questions.*

*All questions carry equal marks.*

1. With block diagram of digital computer, explain the working methodologies. (20)
2. (a) Give a note on classifications of computers. (10)
- (b) Write about fifth generation computers.(10)
3. With neat diagrams, explain the working principles of cathode ray tube. (20)

**Turn Over**