

- Q.25 Write a short note on any two of the following:
- a) Types of Fire Extinguishers (CO4)
  - b) Occupational Safety & Health administration (CO4)
  - c) Composting and Sanitary Landfilling (CO3)

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220562

6th Sem.  
Branch :Chemical Engineering  
Sub. : Pollution Control & Industrial Safety

Time : 3 Hrs.

M.M. : 60

#### SECTION-A

**Note: Multiple type Questions. All Questions are compulsory. (6x1=6)**

- Q.1 IN Solid waste management, waste utilization is achieved by-  
  - a) Reuse, Reclamation and Recycling
  - b) Recover , reclamation and Reproduce
  - c) Recover, Recycling and Reproduced
  - d) Reuse, Reproduce and Recycling
- Q.2 Which one of the followings diseases is caused by water pollution?  
  - a) Respiratory infections      b) Conjunctivities
  - c) Bronchitis                  d) Diarrhea
- Q.3 Class-A fire consists of fire due to -  
  - a) Oil                          b) Wood
  - c) Chemical                    d) Transformer
- Q.4 Which of the following is the cause of acid rain? (CO1)  
  - a) Soil pollution              b) Air Pollution
  - c) Noise pollution            d) Water pollution

- Q.5 Expand PSM- (CO4)

  - a) Plant Safety Management
  - b) Personal Safety Management
  - c) Process Safety Management
  - d) None of these

Q.6 Which of the following gas has the highest affinity for blood hemoglobin. (CO1)

  - a) Oxygen
  - b) Nitrogen
  - c) Carbon di oxide
  - d) Carbon mono oxide

## **SECTION-B**

**Note:** Objective/Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Define HAZOR. (CO4)

Q.8 Write an example of secondary pollutant. (CO1)

Q.9 State one source of water pollution. (CO2)

Q.10 Explain E-Waste. (CO3)

Q.11 Name any one protective equipment to be used for protection of ear. (CO4)

Q.12 Give the pH range for acids. (CO2)

## **SECTION-C**

**Note:** Short answer type Questions. Attempt any eight questions out of ten Questions.  $(8 \times 4 = 32)$

- Q.13** Write about any four effects of air pollution on climate. (CO1)

- Q.14 Define BOD and COD and write their units. (CO2)

Q.15 Explain any four sources of solid waste. (CO3)

Q.16 Which types of hazards in industries are due to heat and temperature? (CO4)

Q.17 Discuss any four equipment used for the protection of the head in industry. (CO4)

Q.18 Give the classification of air pollutants in detail. (CO1)

Q.19 Discuss the fire triangle in brief with a neat diagram. (CO4)

Q.20 Write any four health hazards related to water pollution. (CO2)

Q.21 Explain the methods of "incineration" for the disposal of solid waste. (CO3)

Q.22 Write a brief note on Hazrad Analysis and Risk Assessment. (CO4)

## **SECTION-D**

**Note:** Long answer questions. Attempt any two questions out of three Questions. (2x8=16)

- Q.23 Name Various methods used for the control of gaseous pollutant. Explain the working of packed tower with a neat diagram. (CO1)

Q.24 What are the different treatment methods used for water effluent. Write about activated sludge Process with a clean diagram. (CO1)