

- Q.25 Explain the role of management in promoting OSH ?
- Q.26 Explain any one accident prevention theory .
- Q.27 Differentiate between direct and indirect cost of accident.
- Q.28 Comment in detail on "Safety is a line function or a staff function."
- Q.29 What do you mean by training ? Explain about on job training method .
- Q.30 What is the hierarchy of hazard identification and discuss assessment ?
- Q.31 What is the main objective of major accident hazard organisation ?
- Q.32 What are the ways to do the safety monitoring in an organisation ?

#### SECTION-D

**Note: Long answer questions. Attempt any three questions out of four Questions. (10x3=30)**

- Q.33 What are the elements of Management ? Explain in details.
- Q.34 What is the role of safety offices as per Section 40B of Factories Act, 1948?
- Q.35 What do you mean by safety promotional schemes ? Explain any eight safety promotional schemes .
- Q.36 Explain the various element of training cycle ?

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Time : 3 Hrs.

M.M. : 100

#### SECTION-A

**Note: Multiple type Questions. All Questions are compulsory. (10x1=10)**

- Q.1 The following is indirect cause of accident
- a) Money paid for treatment of worker
  - b) Compensation paid to worker
  - c) All of above
  - d) Cost of lost time and injury
- Q.2 The starting process of management process is
- a) Control
  - b) Leadership
  - c) Planning
  - d) Direction
- Q.3 The likely effects of shock current are mainly influenced by :
- a) Voltage
  - b) Frequency
  - c) Duration
  - d) All of above
- Q.4 What is the first stage of risk assessment ?
- a) Exposure assessment
  - b) Hazard identification
  - c) Toxicity study
  - d) Risk characterization

- Q.5 Product layout is preferably used for :
- Repetitive processing
  - Continuous processing
  - Both A & B
  - Neither A nor B
- Q.6 Under section \_\_\_\_\_ safety committees are required in the required in the factory
- 41A
  - 41G
  - 41F
  - 41H
- Q.7 Who is responsible for the preparation of off-site emergency plan
- Occupier
  - Site controller
  - Manager
  - District emergency authority
- Q.8 What are possible hazards from processes like foundry work, arc furnaces, gas welding and cutting ?
- Dust & fumes
  - Heat
  - IR radiations
  - All of above
- Q.9 Identify those statements that contain major elements of a safety and health management system .
- Management commitment
  - Employee Involvement
  - Hazard Prevention & Control
  - All of above
- Q.10 Who is responsible for managing process safety and asset integrity
- operations and Maintenance Staff
  - Projects and Engineering Staff
  - Contracts and Procurement Staff
  - All of us either directly or indirectly

## SECTION-B

**Note: Answer any 10 Questions out of 12 questions. (10x2=20)**

- Q.11 What is span of management ?
- Q.12 Define two-way communication ?
- Q.13 Define Occupational stress ?
- Q.14 Define offsite emergency planning ?
- Q.15 What is safety policy ?
- Q.16 What is Ratio 1:29:300 ?
- Q.17 What is accident ?
- Q.18 What are the Leadership styles ?
- Q.19 Differentiate between Line responsibility & staff functions ?
- Q.20 Define Indirect cost of accident ?
- Q.21 Define peer pressure ?
- Q.22 What do you mean by TLV & STEL value ?

## SECTION-C

**Note: Short answer type Questions. Attempt any eight questions out of ten Questions. (8x5=40)**

- Q.23 Explain the functions of safety committee ?
- Q.24 What do you mean by communication and what are the barriers in communication ?