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MIS-021

**POST GRADUATE CERTIFICATE IN
INDUSTRIAL SAFETY/POST
GRADUATE DIPLOMA IN
INDUSTRIAL SAFETY
(PGCINDS/PGDINDS)**

Term-End Examination

December, 2024

**MIS-021 : SAFETY PHILOSOPHY AND
PRINCIPLES OF ACCIDENT PREVENTION**

Time : 3 Hours

Maximum Marks : 70

Note : *Question No. 1 is compulsory. Attempt any
five questions from the rest i.e., Question
Nos. 2 to 9.*

1. (A) Choose the correct alternatives : $5 \times 2 = 10$
 - (i) As per the colour code, red colour indicates :
 - (a) Fire Prevention
 - (b) Radiant Hazards

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- (c) First-aid Equipment
- (d) General Caution
- (ii) Fire Extinguisher is :
 - (a) Passive Fire Protection System
 - (b) Fire Detection unit
 - (c) Active Fire Protection System
 - (d) To be brought during fire hazard
- (iii) OSHA stands for :
 - (a) Occupation Safety and Hazard Agency
 - (b) Occupational Safety and Health Administration
 - (c) Only Some Hazards are Actual
 - (d) Occupational Safety and Hazard Administration
- (iv) In case of arc welding, one should protect his eyes using :
 - (a) Dark Glass Screen

- (b) Mask
- (c) Safety Goggles
- (d) Helmet
- (v) What should be firmly secured to the machines ?
 - (a) Guards
 - (b) Operating Instructions
 - (c) Awareness Barrier
 - (d) Personal Protective Equipment
- (B) Answer the following questions in short :

5×2=10

- (i) What are the general hazards in industries ?
- (ii) Explain the importance of environment safety.
- (iii) What are the various causes of accidents ?
- (iv) What are the principles of a Safety Audit ?

- (v) What are the various types of wastes found in Industry ?
2. Draw a safety organizational chart of any company. Explain the four levels of responsibility of safety organization. 10
3. What are the various types of safety training techniques ? Explain any **one** of them. 10
4. What is an accident ? Explain the various factors involved in calculating the cost of the accidents. 10
5. Describe the 5's concept of house-keeping. 10
6. (a) Explain the purpose of reviewing records and documents. 5
- (b) What are the roles and responsibilities of line supervisors in industries ? 5
7. (a) Explain SEISO and its benefits. 5
- (b) Explain the importance and procedure of developing safety policy. 5

8. Explain the general guidelines for the usage of cranes. 10
9. Write short notes on any **two** of the following : 5+5
- (a) Handling of hazardous material
 - (b) Personal Protective Equipment
 - (c) Risk Management.

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