

**P.G. CERTIFICATE IN INDUSTRIAL SAFETY
(PGCINDS)**

Term-End Examination

June, 2022

MIS-022 : INDUSTRIAL SAFETY : RULES AND ACTS

Time : 3 hours

Maximum Marks : 70

Note : *Question number 1 is **compulsory**. Attempt any **six** questions from the remaining (Questions no. 2 to 8).*

1. (A) Answer the objective type questions. $5 \times 2 = 10$
- (a) An example of a direct loss is
- (i) Additional living expenses due to loss
 - (ii) Loss of business income before restoration
 - (iii) Loss of use of the property
 - (iv) Costs of replacing or repairing damaged property

- (b) An incident can be called hazardous only when
 - (i) It poses a threat to the surroundings
 - (ii) Monitoring has failed
 - (iii) There is an outburst of chemical
 - (iv) Stressor has the potential to cause harm to humans and ecological systems

- (c) The _____ process determines whether exposure to a chemical can increase the incidence of adverse health effects.
 - (i) Hazard Identification
 - (ii) Exposure Assessment
 - (iii) Toxicity Assessment
 - (iv) Risk Characterization

- (d) Which of the following is **not** a category of property risk ?
 - (i) Loss of property due to fire, wind, water or other hazards.
 - (ii) Loss of value through economic obsolescence.
 - (iii) Liability losses resulting from use of property.
 - (iv) Financial loss resulting from death or disability of the wage earner.

- (e) The purpose of risk management is to identify potential problems before they occur so that risk handling activities may be planned.

Is this statement True or False ?

(B) Answer the very short answer type questions. $5 \times 2 = 10$

- (a) What are the functions of safety ?
- (b) List out the responsibility of a factory manager in connection with safety.
- (c) What are the benefits of safety audit ?
- (d) What is liability determination ?
- (e) What is hazard identification ?

2. (a) What is ISO ? What are the benefits of acquiring ISO certification ?

(b) Enumerate the powers and authorities of Factory Inspector. $2 \times 5 = 10$

3. Explain the four levels of the safety organization chart, with suitable block diagram. 10

4. (a) What is occupational safety training ? What is its significance in industry ?

(b) Discuss the role of an occupier in case of health and safety, particularly in hazardous factories. $2 \times 5 = 10$

5. (a) When does the occupier serve a notice ?
What are the particulars to be furnished in the notice ?
- (b) How do you classify the Audit systems ?
Briefly explain each of them. $2 \times 5 = 10$
6. (a) Briefly explain the provisions for safety workers under the Factories Act, 1948.
- (b) Briefly explain the owner's responsibilities related to safety. $2 \times 5 = 10$
7. (a) Briefly describe the general penalty for various offences related to safety.
- (b) Explain the provisions of holidays and leaves as prescribed under the Factories Act, 1948. $2 \times 5 = 10$
8. Write short notes on any **two** of the following : $2 \times 5 = 10$
- (a) Lightning
- (b) Cleanliness
- (c) Working Hours
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