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MIS-021

**P. G. CERTIFICATE IN INDUSTRIAL
SAFETY/P.G. DIPLOMA IN
INDUSTRIAL SAFETY
(PGCINDS/PGDINDS)**

Term-End Examination

December, 2023

**MIS-021 : SAFETY PHILOSOPHY AND
PRINCIPLES OF ACCIDENTS**

Time : 3 Hours

Maximum Marks : 70

Note : *Question No. 1 is compulsory. Attempt any
five questions from the remaining (i.e.
question nos. 2 to 9).*

1. (A) Choose the correct answers : $5 \times 2 = 10$

(i) When should you follow 5 's' ?

(a) For an inspection

(b) Spring cleaning

(c) All the time, continuously

(d) When a visitor comes to your place

P. T. O.

- (ii) Class-A fire consists fire due to :
- (a) Wood
 - (b) Oil
 - (c) Transformer
 - (d) Chemical
- (iii) Most of the accidents are caused by :
- (a) Bad weather
 - (b) People
 - (c) Equipment
 - (d) Poor condition
- (iv) is best suited to extinguishing oil or flammable liquid fire.
- (a) Soda acid
 - (b) Vaporizing liquid
 - (c) Foam
 - (d) Dry chemical
- (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 general hazards in Industries ?
 - (ii) What are the various types of wastes found in Industry ?
 - (iii) Differentiate between fire and explosion.
 - (iv) Explain the importance of environment safety.
 - (v) What are the various causes of accidents ?
2. Draw a safety organizational chart of any company. Explain the *four* levels of responsibility of safety organization. 10
 3. Discuss the fire protection measure in detail. 10
 4. What are the roles and responsibilities of safety officers and managers ? 10
 5. (a) Explain SEISO and its benefits. 5
(b) Discuss the importance and procedure of developing safety policy. 5
 6. (a) Describe the various elements of loss control. 5
(b) Explain the purpose of Investigation and Analysis. 5

7. List out various industrial disasters happened in India. Explain any *one* of them in detail. 10
8. Discuss any *one* theory of accident causation. 10
9. Write short notes on any *two* of the following :
5+5
 - (a) Safety culture
 - (b) Occupational Health Hazards
 - (c) Handling of Hazardous Material
 - (d) Severity of accident