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MIS-021

**POST GRADUATE CERTIFICATE IN
INDUSTRIAL SAFETY (PGCINDS)**

Term-End Examination

December, 2021

**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 No.
2 to 8.*

1. (a) Choose the correct answers : 2 each
- (i) Which of the following is setting up standards for a neat and clean workplace ?
- (a) Sort
(b) Set in order
(c) Standardize
(d) Sustain

- (ii) Nip points are associated with :
- (a) Bending action
(b) Rotating action
(c) Cutting action
(d) None of the above
- (iii) PPE :
- (a) is never used if machine guards are used
(b) never contributes to a job's hazard
(c) is required when guards cannot provide full protection
(d) is an example of two hand control
- (iv) Most accidents are caused by :
- (a) Bad weather
(b) People
(c) Equipment
(d) Poor conditions
- (v) Safety signs provide :
- (a) Information about hazard areas
(b) Caution information
(c) Warnings
(d) All of the above

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- (b) (i) What are general hazards in industries ?
- (ii) Enlist some general safety tips for working with or near electricity.
- (iii) Name *eight* forms of waste usually found in industries.
- (iv) Differentiate between internal and external audit,
- (v) What are unsafe conditions ?
2. Discuss the evolution of modern safety concept. 10
3. Answer the following : 2 each
- (a) Describe the effects of a power arc blast and precautions needed to avoid it. 5
- (b) What is SEIRI and what are the benefits an industry can derive from practicing it ? 5
4. What are the roles and responsibilities of safety officers and managers ? 10

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5. Discuss the types and usages of PPE. 10
6. (a) What are the loss control techniques ? How are these used ? 5
- (b) Why does accident happen ? What are the various causes of accidents ? 5
7. Discuss the various techniques of accident analysis. 10
8. Write short notes on any *two* of the following : 5 each
- (a) Safety culture
- (b) Benefits of safety
- (c) Single crane multiple winch lifts
- (d) Insurance based approach for accident analysis

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