

**POST GRADUATE CERTIFICATE IN
INDUSTRIAL SAFETY/POST
GRADUATE DIPLOMA IN
INDUSTRIAL SAFETY
(PGCINDS/PGDINDS)
Term-End Examination
December, 2022**

**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 9.*

1. (A) Choose the correct alternatives : 2 each
 - (i) If I am unsure how to do a job I should :
 - (a) ask my supervisor
 - (b) try different ways of doing it
 - (c) ask a co-worker
 - (d) do the job slowly and precisely

- (ii) Safety signs provide :
- (a) Information about hazardous areas
 - (b) Caution Information
 - (c) Warnings
 - (d) All of the above
- (iii) As per the colour code, red colour indicates :
- (a) Fire prevention
 - (b) Radiant hazards
 - (c) First-aid equipment
 - (d) General caution
- (iv) Which of the following is not included in the safety programme for achieving good results during the prevention of accident ?
- (a) Development of safe working conditions
 - (b) Promotion of employees' participation in safety
 - (c) Compensation and medical payment
 - (d) Corrective action when safety rules are ignored

(v) Which of the following cannot be used as a safety device ?

- (a) Helmet
- (b) Interlocks
- (c) Limit Switch
- (d) Chair

(B) Answer the following questions in short :

5×2=10

- (i) Differentiate between hazard and risk.
- (ii) What is safety culture ?
- (iii) Define risk management.
- (iv) Explain the importance of environment safety
- (v) What are the various causes of accidents ?

2. Draw a safety organization chart of any company. Explain the *four* levels of responsibility of safety organization. 10

3. (a) What is the need of monitoring a training programme ? 5

(b) Explain the importance and procedure of developing safety policy. 5

4. Describe the 5's concept of housekeeping. 10

5. Explain the various factors which may lead to explosion. 10
6. (a) Explain Domino's theory of accident causation. 5
- (b) Explain the purpose of reviewing records and documents. 5
7. Discuss any *one* of the industrial disasters in India in detail. 10
8. Explain the various kinds of PPE used to prevent head and legs injury. 10
9. Write short notes on any *two* of the following : 5+5
- (a) Elements of incident investigation form
- (b) Classification of fire
- (c) Ages of safety thinking