

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

PGDIS DEGREE EXAMINATION MAY 2024

Branch- PG DIPLOMA IN INDUSTRIAL SAFETY

PRINCIPLES OF INDUSTRIAL SAFETY & MANAGEMENT

Time: 3 hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1.	Which of the following is a workplace injury that results in an employee missing time from work? (A) Occupational injury (B) Occupational illness (C) Lost-time injury (D) Workers compensation injury	K1	CO1
	2.	Which mechanism has been found to be the most influential in terms of health and safety in the workplace? (A) Inspection by the Ministry of Labour (B) The internal responsibility system (C) Fines and penalties (D) Industry self-regulation	K2	CO1
2	3.	_____ is defined as the study of how people work in their environment. (A) Hazard (B) Ergonomics (C) Risk (D) Impact	K1	CO2
	4.	Personal safety is an individual's ability to go about their everyday life free from the threat or fear of harm from others. (A) Chemical (B) Psychological (C) Economic (D) None of above	K2	CO2
3	5.	_____ effects appear immediately after exposure to high levels of a toxic substance and may be treatable. (A) Acute (B) Hazardous (C) Non-hazardous (D) Flammable	K1	CO3
	6.	Cancer is a chronic effect as lung scarring caused by dust (A) Alumina (B) Silica (C) Carbon (D) Charcoal	K2	CO3
4	7.	Which of the following standards focuses on the management of safety in the workplace according to the Bureau of Indian Standards? (A) BIS 14489-1998 (B) BIS 15001-2000 (C) OSHA (D) EPA Standards	K1	CO4
	8.	What does OSHA stand for in the context of workplace safety? (A) Occupational Safety and Health Assessment (B) Occupational Standards for Hazard Assessment (C) Occupational Safety and Health Administration (D) Operational Security and Health Assessment	K2	CO4
5	9.	Which organization formulates international labor standards concerning occupational health and safety? (A) WHO (B) UNICEF (C) ILO (D) UNESCO	K1	CO5
	10.	How does SHE (Safety, Health, and Environment) contribute to human rights? (A) By ensuring workplace productivity (B) By promoting employee welfare (C) By safeguarding workers' health and safety (D) By maximizing corporate profits	K2	CO5

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Why the workplace safety is needed? Explain	K2	CO1
		OR		
	11.b.	Explain the control measures of occupational diseases		
2	12.a.	Analyze the general principles of industrial safety management	K4	CO2
		OR		
	12.b.	List out the role and functions of the safety manager in industries		
3	13.a.	What are the steps for developing training programs for new workers	K3	CO3
		OR		
	13.b.	How to develop and design the safety training programmes for workers		
4	14.a.	Analyze the significance of the EPA Standards in ensuring environmental safety in industrial settings.	K4	CO4
		OR		
	14.b.	Classify the role of the Safety Department in an organization		
5	15.a.	How do plan a safety audit in an industry?	K3	CO5
	15.b.	How to identify SHE is considered a human rights issue?		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Categorize the safety policy in industries at different levels	K4	CO1
2	17	Explain the PQRS theory	K5	CO2
3	18	Distinguish the job instructions Vs safety instructions	K4	CO3
4	19	Discuss the Process Safety Management (PSM).	K6	CO4
5	20	Explain the impact of trade policies on occupational health and safety (OHS) standards in a global context.	K5	CO5

Z-Z-Z END