

**PSG COLLEGE OF ARTS & SCIENCE**  
(AUTONOMOUS)

**PGDIS DEGREE EXAMINATION DECEMBER 2025**  
(First Semester)

Branch - **DIPLOMA IN INDUSTRIAL SAFETY**

**PRINCIPLES OF INDUSTRIAL SAFETY & MANAGEMENT**

Time: Three 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 the primary objective of a company's safety policy ? a) Set production targets and deadlines. b) Document the history of past workplace accidents. c) Provide detailed instructions for operating specific machinery. d) Establish a framework for managing safety and health risks within the organization.	K1	CO1
	2	Silicosis is an occupational disease caused due to exposure to which medium? a) Cotton dust b) Silica dust c) Asbestos d) Lead fumes	K2	CO1
2	3	What does Delegation mean? a) Shifting responsibility b) Transfer of authority to subordinates c) Giving orders only d) Retaining all power at the top	K1	CO2
	4	What is the purpose of the humanitarian need for safety? a) Reduce compensation cost b) Prevent human suffering c) Improve productivity only d) Increase legal compliance	K2	CO2
3	5	What is the first step in the training cycle? a) Design of training programme b) Assessment of training needs c) Evaluation of training d) Selection of trainers	K1	CO3
	6	Job instructions mainly focus on ----- a) Task performance b) Health awareness c) Stress management d) Productivity only	K2	CO3
4	7	Which of the following is NOT a key element of a strong safety culture? a) Leadership commitment b) Employee participation c) Resistance to change d) Open communication	K1	CO4
	8	Process Safety Management (PSM) as per OSHA is aimed at ----- a) Controlling financial risks b) Preventing catastrophic chemical accidents c) Improving worker productivity d) Enhancing ergonomics	K2	CO4
5	9	OSHA stands for ----- a) Occupational Safety and Health Act b) Occupational Safety and Health Administration c) Occupational Standards and Health Association d) Organization for Safety and Hazard Awareness	K1	CO5

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5	10	Under which ministry DGFASLI functions in India? a) Ministry of Commerce b) Ministry of Labour and Employment c) Ministry of Health and Family Welfare d) Ministry of Industry	K2	CO5
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**SECTION - B (35 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks  $(5 \times 7 = 35)$ 

Module No.	Question No.	Question	K Level	CO
1	11.a.	What is industrial safety? Enumerate the importance of safety standards and codes.  (OR)	K1	CO1
	11.b.	Indicate the purposes of maintaining health records and the need of medical surveillance at workplaces?		
2	12.a.	Define Management. Infer the functions of Management.  (OR)	K2	CO2
	12.b.	What is safety management? Write a short note on safety awareness programmes.		
3	13.a.	Examine the elements of a training cycle. What is training needs assessment?  (OR)	K3	CO3
	13.b.	Explain the methods for evaluating training programmes.		
4	14.a.	Discuss the key elements of a strong safety culture with examples.  (OR)	K4	CO4
	14.b.	Discuss OSHA's Process Safety Management (PSM) and its principles.		
5	15.a.	Outline the contributions of ILO towards global standards in occupational safety and health.  (OR)	K5	CO5
	15.b.	Expand DGFASLI and explain its functions.		

**SECTION - C (30 Marks)**

Answer ANY THREE questions

ALL questions carry EQUAL Marks  $(3 \times 10 = 30)$ 

Module No.	Question No.	Question	K Level	CO
1	16	Trace the history and development of the safety movement and explain its relevance in today's industries	K3	CO1
2	17	Discuss the role and functions of a manager in ensuring effective industrial safety.	K1	CO2
3	18	Explain in detail in-plant and out-of-plant training programmes with examples.	K2	CO3
4	19	Explain the steps to establish and maintain a proactive safety culture in an organization and Suggest strategies to overcome resistance to safety programmes and initiatives.	K5	CO4
5	20	Explain the Employees' State Insurance Corporation (ESIC) and its contribution to workers' welfare.	K4	CO5