

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

PGDIS DEGREE EXAMINATION DECEMBER 2024
(First Semester)

Branch – DIPLOMA IN INDUSTRIAL SAFETY

SAFETY IN INDUSTRIES

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 one of the following is an Objective of Plant Layout ? a.Employee morale b.increase Handling cost c.Maximum production Time d.Reduce productivity	K1	CO1
	2	Infer a type of Machine Guarding a.Adjustable b.Not devices c.Electronic devices d.Lever	K2	CO1
2	3	Recall how many Classes of Fire Safety are available a. 4 Main classes b. 2 Main classes c. 5 Main Classes d. 6 Main Classes	K1	CO2
	4	Show an example of Fire Extinguishers a. Dry Powder b. Clothing c. Heating d.cleaning	K2	CO2
3	5	Which one of the following aim of personal protective equipments ? a. Minimize injuries b. Cause Injuries c. Increase Injuries d. Illnesses	K1	CO3
	6	Select the Use of Breathing Apparatus a. Smoke b.Environment c. Radiation d. Water	K2	CO3
4	7	Find the Need for Safety Appraisal system a.More accident b.More Injuries c. Reduce accident d.More fire	K1	CO4
	8	Show the aim of Electrical Safety Program a. Maximise Hazards b.Reduce Hazards c. More Injuries d.Illnesses	K2	CO4
5	9	Label the type of Maintenance in Industry a.Corrective b.Directive c. Non Corrective d. Non Directive	K1	CO5
	10	Show one of the stages of training Cycle a. Short term b. Long term c.Assessment d. Layout	K2	CO5

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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.	Explain the need for Ventilation.	K2	CO1
	(OR)			
	11.b.	Illustrate types of machine guarding.		
2	12.a.	Identify the common causes of industrial fires.	K3	CO2
	(OR)			
	12.b.	Construct the purpose of fire detection and alarm system.		
3	13.a.	List the need of Personal Protective Equipments.	K4	CO3
	(OR)			
	13.b.	Survey Non – respiratory Personal Protective Equipments.		
4	14.a.	Outline the Need for safety Appraisal System.	K2	CO4
	(OR)			
	14.b.	Summarize on-site and off -site emergency planning.		
5	15.a.	Recommend the types of Maintenance for Equipments.	K5	CO5
	(OR)			
	15.b.	Conclude role of trade union in safety & Environment protection.		

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	Develop the advantages of Good House Keeping.	K3	CO1
2	17	Classify different type of fire.	K4	CO2
3	18	Discover Respiratory personal protective devices for various hazards.	K4	CO3
4	19	Deduct principles of electric safety.	K5	CO4
5	20	Organize the Evaluation of training in Safety Programme.	K3	CO5

Z-Z-Z

END