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		Reg. No.									
	Question Paper Cod	le 12	2658								
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M.E DEGREE EXAMINATIONS, APRIL / MAY 2024 First Semester											
	M.E Industrial S		neerino	7							
20PISEL 101	I– PLANT LAYOUT	• •	-	-	IAN	IDI	INC	Ĩ			
	Regulatio		21111					-			
Duration: 3 Hours	6					Max	к. М	arks	: 10	0	
									<i>K</i> –	60	
Answer ALL Questions						M	larks	K – Level			
1. Identify the need to take decision for location of a plant.								2		<i>CO1</i>	
2. How do you select safe storage for chemicals?								2	K1	<i>CO1</i>	
3. List out the uses of s	•							2		<i>CO2</i>	
4. Write any four re- manufacturing indus		afe layout	for m	etal	po	wde	r	2	K2	<i>CO2</i>	
5. What are the princip	les of good ventilation	?						2	K1	CO3	
6. Why housekeeping i	s essential for industrie	es?						2	K1	CO3	
7. Define Steel strappir	ng and sacking.							2	K1	<i>CO</i> 4	
8. What are the factors to be considered while inspecting hooks?							2	K2	<i>CO</i> 4		
9. Name any four types of hoisting apparatus.							2	K2	CO5		
10. What is the use of escalator?							2	K2	CO5		
	PART - B (5 × 13		ks)								
11 a) Evaluin the	Answer ALL	-		tomt	to	+la	~	13	K?	<i>CO1</i>	
11. a) Explain the organization.	decision of plant l	ocation is	mpor	tant	10	un un	e	15	<u>K2</u>	001	
	OR										
b) Exemplify the explosives.	factors to be conside	red in stora	ige and	har	ndlii	ng c	of	13	К2	<i>CO1</i>	
12. a) Describe the treatment tanks		or safe eff	luent o	dispo	osal	an	d	13	K3	CO2	
	OR							1.0		<i>a</i>	
b) Explicate the s	afe layout of storing fe	rtilizers and	pestici	des.				13	К3	<i>CO2</i>	
13. a) Illustrate the ad	dvantages of local exha	ust ventilat	ion syst	em.				13	K3	CO3	
OR											
K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create							12658				

K4 CO4
K4 CO4
K4 CO5
K4 CO5

PART - C (1×15 = 15 Marks)

16. a) Develop the considerations to be followed for a safe design of a bulk ¹⁵ ^{K3} ^{CO6} Liquefied Petroleum Gas (LPG) storage facility.

OR

b) Identify the various precautions to be taken to prevent common ¹⁵ K3 CO6 injuries during manual material handling.