

3 Hours / 100 M	larks	Seat No.							
Instructions :	(2) Answer	estions are compu r each next main o ate your answers v es to the right indi	question vith nea	t skete	ches w	_	er nec	essary	·.
								N	Aarks
1. A) Attempt any three	e of the follow	ving:							12
a) Define Hazard	l. Write types o	of Hazards.							
b) Write sources	and protection	n of Noise Hazard.							
c) List the equipm	nent used for b	breathing and respin	ratory pr	otectio	on (any	four).			
d) Write two point equipment.	nts each in con	nparison on respira	tory and	non-r	espirat	ory pr	otectiv	/e	
B) Attempt any one o	of the following	g:							6
a) List the source	s of Radioacti	ive Hazards with or	ne examp	ple eac	h.				
b) Describe the v	arious protect	cions used against E	Eye and H	Head.					
2. Attempt any four of the	e following:								16
a) What are the preca	utions taken a	ngainst Electrical H	azard.						
b) Give the four types	s of personnel	protective equipme	ents and	write i	ts appl	ication	1.		
c) Describe with neat	diagram of dr	y chemical powder	fire exti	nguish	er.				
d) State the objective	of safety audi	it.							
e) Explain Bin storag	e with neat ske	etch.							
3. Attempt any four of the	e following:								16
a) List the causes of E	Explosion Haz	zards.							
b) State the objectives	s of material ha	andling.							
c) List the types of pla	ant maintenan	ce.							
d) State the objectives	s of preventive	e maintenance.							
e) How on-line maint	tenance of Rot	tameter is carried o	ut?						
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4.	A) Attempt any three of the following:	Marks 12
	a) Define fire and how it is extinguished?	
	b) List the causes of equipment breakdown.	
	c) What is palletization and classify the pallets.	
	d) What are different methods of storage of liquids?	
	3) Attempt any one of the following:	6
	a) Describe procedure for safety audit.	
	b) Draw a sketch of Belt Conveyor and write its working.	
5.	attempt any two of the following:	16
	a) Describe with neat diagram, construction and working of Soda Acid type Fire Extinguisher	r.
	Describe the duties, functions and responsibilities of plant maintenance engineering departmen	nt.
	c) Describe the procedure for start-up of the plant.	
6.	attempt any two of the following:	16
	a) Write different types of pneumatic system. Explain positive pressure pneumatic system with diagram.	L
	b) Draw a block diagram of organisation of maintenance department.	
	e) Describe the predictive maintenance and scheduled maintenance.	