

17531

611 Ho	/ ours / 100 Marks	Seat No.							
	· · · · · · · · · · · · · · · · · · ·								1
	(3) Illustr(4) Figure	estions are compu er each next main rate your answers es to the right indu ne suitable data, if	question with nea cate ful	t skete I mari	ches wl		er neo	cessar	y.
]	Mark
1. a)	 Attempt any three : i) Enlist various methods of pution ii) Draw a format of machine h iii) Enlist benefits of TPM. iv) Enlist various systems of lub 	istory chart.						(3:	×4=12
b)	Attempt any one :i) Describe electric power distii) Describe industrial lighting s	•	-		t sketch	1.		(1	1×6=6
2. Att	tempt any four:							(4:	×4=16
	Describe procedure of preventive								
	Describe activities performed in	-	-	verha	ul) of re	pair c	ycle.		
	State importance of maintenance Give a list of tools which will be a lathe machine.	-		eakdov	vn mai	ntenar	ice act	tivity f	or
e)	What are basic systems of TPM	1?							
3. Att	ttempt any four :							(4:	×4=16
a)	"The concept of TPM can be applied in administrative and support departments also." – Justify the statement.							fy	
b)	Draw diagrams showing wear b	ehaviour due to pri	mary we	ar pro	cess.				
c)	State conditions in which follow i) Wick ii) Pad iii) Sump iv	6,1	cation are	e suita	ble				
d)	Describe allocation of maintena	nce job responsibili	ty in TPN	Л.					
e)	Describe following wear proces i) Adhesive Wear	ses : ii) Corro	sive Rea	ction.					

17531

4. a) Attempt any three:	Marks (3×4=12)				
i) Compare between preventive maintenance and breakdown maintenance.					
ii) Describe working of multimeter with help of a neat diagram.					
iii) Explain necessity of circuit breakers in electrical maintenance.					
iv) How industrial accidents can be avoided ?					
v) Enlist different major sources of losses, that are identified and eliminated by TPM.					
b) Attempt any one :	(1×6=6)				
i) How lubricants are selected ?					
ii) How earthing is provided for electrical installations?					
5. Attempt any four :	(4×4=16)				
a) State importance of safety policies in improving safety of a plant.					
b) Describe working of fool proofing device for interlocking parallel shafts, with help of sketch.					
c) Describe working of lever controlled reversal mechanism, with help of a neat sketch.	Describe working of lever controlled reversal mechanism, with help of a neat sketch.				
d) Describe important properties of lubricants.					

e) In a small workshop, having 10 general purpose machine tools, what safety measures can you suggest to prevent sudden fire due to electricity ?

6. Attempt any two :

- a) Describe stand by and emergency power facilities in plant.
- b) Describe:
 - i) Predictive Maintenance
 - ii) Corrective Maintenance.
- c) Describe role of personal protective equipments in improving safety of plant, along with examples of such equipments.

(2×8=16)