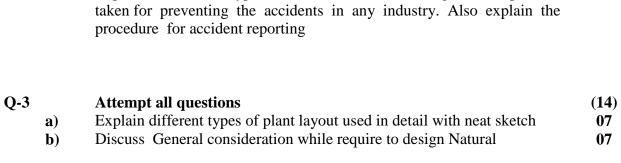
Enrollment N	No:			
		JNIVERSITY nination-2019		
Subject Nam	e: Plant Engineering and Mainte	enance		
Subject Code: 4TE08PEM1		Branch: B.Tech (Mechanical)		
Semester: 8	Date: 13/09/2019	Time: 10:30 To 01:30	Marks: 70	
(2) Instru (3) Draw	of Programmable calculator & any of actions written on main answer book neat diagrams and figures (if necessitable data if needed.	ok are strictly to be obeyed.	rohibited.	
Q-1	Attempt the following questions	:	(14)	
b) c) d) e) f) g) h)  i) j) k)	Define productivity. List out types of plant layout. Give the full name of PQRST. Which are the personal protective What is fire triangle? Define Mean Time Between Failu What do you mean by occupati Which are factory act available to industrial premises? Enlist the reason of breakdown hours work done by worker Define Equipment Life Cycle. What do you mean by corrective r What is the function of TPM? Define the reliability.	re. conal diseases? cosmoothen the work inside the r per week in industry.	idustry.	
Attempt any Q-2 a) b)	Attempt all questions How do you classify fire? What a fire hazards in buildings? Explain Explain the different types of indu taken for preventing the acciden procedure for accident reporting	with an example. strial accidents and general ste	ps to be 07	





Ventilation and explain any one in detail.

Q-4		Attempt all questions	(14)
	a)	Compare in brief: Break-down maintenance, Opportunistic maintenance,	07
		Routine maintenance	
	<b>b</b> )	What is the preventive maintenance? And explain its importance.	07
Q-5		Attempt all questions	(14)
	a)	Discuss Methodology and implementation of TPM.	07
	<b>b</b> )	Write short notes on (i) Maintenance Categories.	07
	2)	(ii) Maintenance Organizations and economics.	0.
Q-6		Attempt all questions	(14)
	a)	What are basic parameters which form basis of Condition	07
	,	Monitoring Techniques in maintenance of industrial equipments?	
		Write briefly on each Technique.	
	<b>b</b> )	Discuss occupational diseases caused due to physical condition and	07
	ω,	respiration in dusty environment.	07
Q-7		Attempt all questions	(14)
•	a)	State various principles influencing for Plant layout planning	07
	<b>b</b> )	Discuss equipment life cycle with bath tub curve	07
	,		
<b>Q-8</b>		Attempt all questions	<b>(14)</b>
	a)	What is Industrial safety? Explain safety and Productivity.	07
	<b>b</b> )	What is the roll of management and Government in industrial safety?	07
		Discuss Safety organizations	

