

Q.5

(a)

(b)

sensitive tapes.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII (OLD) EXAMINATION - WINTER 2018

Su	biect	Code: 181905 Date: 29/11/201	.8
	•	Name: Industrial Safety & Maintenance Engineering	
Tiı	-	2:30 PM TO 05:00 PM Total Marks: 7	0
	1. 2.	Attempt all questions.	
Q.1	(a) (b)	Describe roll of management and roll of government in Industrial safety. What is Industrial safety? Explain safety and Productivity.	07 07
Q.2	(a) (b)	Discuss causes of accidents in industrial plant. State the types of hazards and explain any three in detail with possible causes and remedial actions	07 07
	(L.)	OR	07
	(b)	What is the importance of lubrication? Explain various methods of lubrication.	07
Q.3	(a)	Short Note: a) Boiler Act, b) Explosive act	07
	(b)	Discuss the preventive maintenance and its importance. OR	07
Q.3	(a) (b)	Importance Total productive maintenance. Discuss in details. Discuss equipment life cycle with bath tub curve	07 07
Q.4	(a)	Explain in brief (1) MTBS (2) MTTF (3) MTTR	07
	(b)	What is personal protective equipment? Explain different PPE used for different purpose and an importance of PPE. OR	07
Q.4	(a)	What is fault tree analysis and Root cause analysis? Explain in detail.	07
	(b)	Describe merits and demerits of centralized and decentralized maintenance systems.	07
Q.5	(a)	What is Condition monitoring? Describe on-load and off load Testing.	07
-	(b)	What is wear debris analysis? Write the names of any three wear debris analysis techniques commonly used. OR	07
		ON ON	

What is thermal monitoring? Explain in brief about work of temperature

Explain Noise vibration and harshness analysis of machines

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