Seat No.:	Enrolment No.
Jour 11011	<u> </u>

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

**BE - SEMESTER-VIII • EXAMINATION - WINTER • 2014** 

Subject code: 181905 Date:		25-11-2014	
_	: 02	Name: Industrial safety and maintenance engineerings in PM TO 05:00 PM	ng Total Marks: 70
msu u		Attempt all questions.	
	2.	Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
Q.1	(a		07
	(b	condition monitoring.  Explain following	07
		<ul><li>(1) Total productive maintenance</li><li>(2) Preventive maintenance</li></ul>	
Q.2	(a	Explain maintenance function costs in (1) Chemical industry	07
		(2) Fertilizer industry.	
	(b	) What is the importance of lubrication? Explain various methods of lubrication.	07
		OR	
	(b	Explain fault tree analysis for ceiling fan	07
Q.3	(a	) Explain in brief	07
		(1) Boiler act	
	(b	(2) Explosive act ) Explain in brief	07
	(D	(1) MTBS	U7
		(2) MTTF	
		(3) MTTR	
		OR	
Q.3	(a		07
	(b		07
0.4			0=
Q.4	(a	Explain in detail about safety measures in following industries	07
		(1) Heavy fabrication industry.	
		(2) Chemical industry.	
	(b	) Explain in brief safety trials. <b>OR</b>	07
Q.4	(a	_	07
<b>7.7</b>	(a	safety and health.	07
	(b	•	07
		(1) Workman's compensation act	
		(2) Industrial hygiene	
Q.5	(a	) What is industrial safety? How it is associated with risk?	07

(b) What is thermal monitoring? How temperature sensitive 07 tapes work?

OR

- Q.5 (a) Explain roll of management and roll of government in 07 industrial safety.
  - (b) Explain in detail wear debris analysis. 07

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