## GUJARAT TECHNOLOGICAL UNIVERSITY BE – SEMESTER – VI EXAMINATION – WINTER 2015

Subject Name: Occupational Health and Safety			Date:10/12/ 2015
			otal Marks: 70
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	1 .	
Q.2	(a) (b)	Write a short note: accident causative factors Explain with a neat sketch reasons for accident prevention <b>OR</b>	07 on 07
	(b)	Enlist steps of accident prevention. Explain any one brief.	in <b>07</b>
Q.3	(a)	Write a short note: effects of electrical parameters human body	on <b>07</b>
	(b)	•	07
Q.3	(a)	_	on, <b>07</b>
	(b)	Give broad classification of fire prevention & protect system.	ion <b>07</b>
Q.4	<b>(a)</b>	Explain in detail philosophy of total safety concept.	07
	<b>(b</b> )	Explain in detail constituents of ergonomics. <b>OR</b>	07
Q.4	(a)	State the guide words used for hazard and operabil (HAZOP) study. Give meanings for the same.	lity <b>07</b>
Q.4	(b)		ent <b>07</b>
Q.5	<b>(a)</b>	Explain with an example event tree analysis (ETA).	07
	(b)	Enlist the common objectives of safety organizations. <b>OR</b>	07
Q.5	<b>(a)</b>	Explain in brief five 'E's of accident prevention.	07
	<b>(b)</b>	Give classification of PPE.	07

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