Seat No.:

Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

ME –	SEMESTER	II (NEW) - • EXAMINATION	N – SUMMER 2016
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		ME – SEMESTER II (NEW) – • EXAMINATION – SUMMER 2016			
Subject Code: 2721711 Date: 27/05					
Tiı	Subject Name: Industrial Hygiene & Safety Time:10:30 am to 01:00 pm Total Marks: Instructions:				
	2	 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 			
Q.1	(a)	Write a short note on engineering control & administrative control.			
	(b)	Explain various routes of toxic material into human body.	07		
Q.2	(a)	Explain various occupational hazards and explain any one in detail.			
	(b)	Give the necessary conditions required to provide the safe working environment at work place.	07		
		OR			
	(b)	Describe various methods for machine safe guarding in detail.	07		
Q.3	(a)	What do you understand by occupational diseases? Explain Pneumoconiosis.	07		
	(b)	Define and explain in brief: (i) LD50, (ii), TLV (iii) STEL, (iv) MSDS,	07		
		(v) TWA, (vi) BEL, (vii) ACGIH OR			
Q.3	(a)	Define Industrial safety and concept of safety.	07		
Q.S	(a) (b)	Explain preventive measures for accident.	07 07		
Q.4	(a)	Describe the various classes of fire and explain different Measure to Control the Fire.	07		
	(b)	Describe general safety measures for Electric Shock.	07		
		OR			
Q.4	(a)	Write a short note on Personal Protective Equipments.	07		
	(b)	Explain first aid and the various events demanding first aid.	07		
Q.5	(a)	Write a short note on Risk Identification and Risk Management.	07		
	(b)	What are the types of emergency plan and explain any one in details.	07		
		OR			
Q.5	(a)	Write a short note on HAZOP.	07		
	(b)	Describe the various standards in ISO 14000 series.	07		
