Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY ME SEMESTER II EXAMINATION – SUMMER 2017

Subject Code: 2721711 Date:29/05/2017

Subject Name: Industrial Hygiene and Safety

Time: 02:30 PM to 05:00 PM Total Marks: 70

Instructions:

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

Q.1	(a)	Define & Explain: (i) TLV (ii) MSDS (iii) LD ₅₀	07
	(b)	Enlist different types of PPEs and write down its importance.	07
Q.2	(a)	What is Ventilation? Give the classification of ventilations & explain any one in detail.	07
	(b)	Write a short note on "History of Safety"	07
		OR	
	(b)	Define & explain Industrial Safety and concept of Safety.	07
Q.3	(a)	Write a short note on "Vibration and its Control".	07
	(b)	Which disease caused by Silica dust? Write down its effect, symptoms and precautions.	07
		OR	
Q.3	(a)	Write a short note on "Biological Monitoring".	07
	(b)	Discuss Coal Miner's Pneumoconiosis.	07
Q.4	(a)	Differentiate between HAZOP & HAZAN.	07
	(b)	Explain heat stress with its effects.	07
	()	OR	
Q.4	(a)	Write a short note on "Engineering Controls".	07
2.,	(b)	Give the classification of Fire and Extinguishers.	07
Q.5	(a)	Explain ergonomics. How does it affect the workers?	07
2.5	(b)	Explain various Physical Hazards in detail.	07
	(6)	OR	
Q.5	(a)	Write a short note on "International Standards for Environmental Management"	07
	(b)	Write a short note on OHSAS: 18001.	07
