Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

ME- SEMESTER II– EXAMINATION – SUMMER 2015

Subject Code: 2721711 **Date: 30/05/2015**

Subject Name: Industrial Hygiene and Safety

Time: 2:30 PM – 5:00 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 the terms (i) Occupational Health (ii) Occupational Hygiene (iii) Hazard (iv) Risk (v) Safety (vi) Accident (vii) Noise	**07**
	(b)	Explain in brief: Routes of toxic materials into human body.	**07**
Q.2	**(a)**	Give the classification of occupational hazard and explain any one in detail.	**07**
	(b)	List down monitoring instruments which are used in industrial hygiene and safety and explain any one in detail.	**07**
		OR	
	(b)	Explain the preventive measures for accident.	**07**
Q.3	**(a)**	Write a short note on Personal Protective Equipments.	**07**
	(b)	Write a short note on factors contributing Fire.	**07**
		OR	
Q.3	**(a)**	Write a short note on Heat Stress.	**07**
	(b)	Write a short note on Threshold Limit Values (TLVs).	**07**
Q.4	**(a)**	Briefly explain classification of fire and extinguishers.	**07**
	(b)	List down general safety measures for electric work.	**07**
		OR	
Q.4	**(a)**	Tabulate preventive measures of occupational hazards according to industries.	**07**
	(b)	Write a short note on HAZOP.	**07**
Q.5	**(a)**	What do you mean by Occupational Disease? Enlist and explain any one Occupational Disease in detail.	**07**
	(b)	Write a short note on HAZAN.	**07**
		OR	
Q.5	**(a)**	Write a note on engineering control and administrative control.	**07**
	(b)	Explain concept of safety in detail.	**07**

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