Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

ME – SEMESTER-1 (NEW) EXAMINATION – WINTER 2016

Subject Code: 2711807 **Date:06/01/2017**

Subject Name: Industrial Hygiene and Safety

Time: 2:30 pm to 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)**	Name the physical hazards. What is the health effects of Noise? What are preventive(control) measures to reduce effect of Noise?	**07**
	(b)	Describe the utility of Administrative Control and Personal Protective Equipments (device) in an industry.	**07**
Q.2		Explain following terms : ACGIH TWA STEL BEL GDS EHS(SHE) MSDS	**07**
	(b)	Classify the Personal Protective Equipments(PPE). Give the detail of PPE required for ears and eyes of workers.	**07**
		OR	
	(b)	Describe the application/use of Local Exhaust Ventilation System (LEV) in an industry	**07**
Q.3	**(a)**	Give the health hazards in a fertilizer industry. What can be safety measures required to control them?	**07**
	(b)	Give the health hazards in a thermal power station. How it can be controlled?	**07**
		OR	
Q.3	**(a)**	Write Short Notes on health effects of radiations.	**07**
	(b)	Write short notes on Standard (Safe)Operating Procedure[SOP]	**07**
Q.4	**(a)**	Explain the role of Industrial Hygienist and Safety Officer in a Industry	**07**
	(b)	What are the health effects of heat stress? What are the preventive measures for heat stress?	**07**

OR

Q.4	**(a)**	Write short notes on Biomedical waste management.	**07**
	(b)	Explain Hazard Identification & Risk Assessment Techniques.	**07**
Q.5	**(a)**	Explain Local Exhaust Ventilation(LEV),Significance of TLV.	**07**
	(b)	Write short notes on Notifiable Diseases	**07**

OR

Q.5	**(a)**	Write a short Notes on Factory Act	**07**
	(b)	Explain Problems of load carrying and load lifting.	**07**

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