Seat No.:	Enrolment No.
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Subject Code: 161305

GUJARAT TECHNOLOGICAL UNIVERSITY

BE – SEMESTER – VI (OLD).EXAMINATION – WINTER 2016

Date: 24/10/2016

T	'ime	ect Name: Occupational Health & Safety : 10:30 AM to 01:00 PM tions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.	
Q.1	(a) (b)	Enlist & explain routes of entry of toxic material into human body Give classification of occupational health hazards	07 07
Q.2	(a) (b)	Enlist the dangerous properties of chemicals and explain them in detail Write a short note: Constituents of Ergonomics OR	07 07
	(b)	Explain in detail what went wrong in Bhopal Gas Tragedy (1984)	07
Q.3	(a) (b)	Define: Accident, Danger, Error, Hazards, Injury, Near miss, Risk Enumerate the philosophy of Accident Causation OR	07 07
Q.3	(a) (b)	With the help of a neat sketch, explain reasons for accident prevention Write a short note: Elements of Management Functions	07 07
Q.4	(a) (b)	With the reference to the effects of electrical parameters on human body, give your comments to the severity of shock, effects of voltage, resistance of skin Enlist the main safety measures for electric work and explain any one in detail.	07 07
	(D)	OR	07
Q.4	(a) (b)	Prepare a checklist for safety in construction industry Explain with the help of guide words HAZOP	07 07
Q.5	(a) (b)	Explain VCE and BLEVE in detail Write a short note: Need of Personnel Protective Equipment OR	07 07
Q.5	(a) (b)	Explain in detail: DOW and MOND index With reference to occupational diseases, explain the dust control methods	07 07
