GUJARAT TECHNOLOGICAL UNIVERSITY

Su	ıbjec	GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER–VI (NEW) - EXAMINATION – SUMMER 2016 t Code:2161305 Date:11/05/202	16
Subject Name: Occupational Health and SafetyTime: 10:30 AM to 01:00 PMTotal Marks: 7Instructions:1. Attempt all questions.2. Make suitable assumptions wherever necessary.3. Figures to the right indicate full marks.			70
Q.1	(a) (b)	What do you mean by the term ergonomics? Explain its Application. Define safety organization and enlist the objectives of safety Organization.	07 07
Q.2	(a) (b)	What is mean by occupational dieses? Group tem under physical agent, chemical agent & biological agent. Explain Accident Causes Factors.	07 07
	(U)	OR	07
	(b)	What is the Factors Impending Safety?	07
Q.3	(a)	What is Fire? Give the Classification of Fire. Explain Some Causes of Fire Triangle in detail.	07
	(b)	Write a Short note on Bhopal Gas Tragedy. OR	07
Q.3	(a) (b)	What is Explosion? Give the Classification of Explosion. Define permissible exposure limit, thereshold limit value, lethal dose and lethal concentration.	07 07
Q.4	(a) (b)	Enlist the main safety measures for electric work and explain any two in detail Write a short note on even tree analysis OR	07 07
Q.4	(a) (b)	Explain in Detail the Rout of Entry of Toxic material in to Human Body Write a short note on fault tree analysis	07 07
Q.5	(a)	Enlist the factors affecting the selection of personal protective Equipment (PPE).	07
	(b)	Discuss in brief HAZOP	07
OR			
Q.5	(a) (b)	Write a short note on on-site emergency plan. Discuss in brief HAZAN	07 07
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