Seat No.:	Enrolment No.

		GUJARAT TECHNOLOGICAL UNIVERSITY	,
Subi	ect (BE - SEMESTER–IV(NEW) EXAMINATION – WINTER 2022 Code:3141310 Date:15-12	
•		Name:Occupational Health & Safety	
•		:30 AM TO 01:00 PM Total Ma	rks:70
Instru			
	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary.	
		Figures to the right indicate full marks.	
	4.	Simple and non-programmable scientific calculators are allowed.	MADEG
			MARKS
Q.1	(a)	• • • • • • • • • • • • • • • • • • • •	03
	(b)	Define permissible exposure limit, threshold limit value, lethal dose and lethal concentration.	04
	(c)	What do you mean by the term ergonomics? Explain its Application.	07
	(-)	The state of the s	
Q.2	(a)	Define safety management? Give the objectives of safety management.	03
•	(b)	Explain the concept & philosophy of safety.	04
	(c)	Explain in detail the routes of entry of Toxic material into Human Body.	07
	(c)	OR Enlist the factors affecting the selection of personal protective	07
	(C)	Equipment (PPE).	07
Q.3	(a)	·	03
	(b)	List down the five "E" of accident prevention & explain any two in detail.	04
	(c)	Explain Accident Causative Factors.	07
	(-)	OR	
Q.3	(a)	· · · · · · · · · · · · · · · · · · ·	03
	(b)	Define: (i) Safety (ii) LD ₅₀ (iii) MSDS (iv) EHS What are the Factors Impending Safety?	04 07
	(c)	what are the Pactors Impending Safety?	U7
Q.4	(a)	Define Pneumoconiosis. Name the various types of Pneumoconiosis.	03
	(b)	· · · · · · · · · · · · · · · · · · ·	04
	(c)	What is Fire? Give the Classification of Fire in detail. OR	07
Q.4	(a)	Discuss the symptoms and precautions of Byssinosis.	03
~ ···	(b)		04
	(c)	What is Explosion? Give the Classification of Explosion.	07
0.5	(.)	What is Conditional Kanaina 9	0.2
Q.5	(a) (b)	· •	03 04
	(c)	Enlist the main safety measures for electric work and explain any two in	07
	(-)	detail.	
c -		OR	0.7
Q.5	(a) (b)	Enlist the types of emergency and define any one of them. Explain the main objectives of major hazard control system.	03 04
	(c)	Discuss in brief HAZAN.	0 4 07
