

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE – SEMESTER- V EXAMINATION-SUMMER 2023

Subject Code: 3154006

Date: 28/06/2023

Subject Name: Health and Safety Management

Time: 02:30 PM TO 05:00 PM

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		MARKS
Q.1	(a) Explain near miss incidents?	03
	(b) Define hazard and risk assessment.	04
	(c) Provide explanation on hierarchy of controls.	07
Q.2	(a) Define: Direct cost Vs. Indirect cost of accidents.	03
	(b) Explain the employee rights under OSHA.	04
	(c) Write a brief note on “Hazop”.	07
	OR	
	(c) Write a brief note on “LOPA”.	07
Q.3	(a) What is OSHA?	03
	(b) Explain: Socio-economic impact of health and safety.	04
	(c) Explain risk identification and detailed risk assessment process.	07
	OR	
Q.3	(a) Explain the principle of prevention.	03
	(b) What are the things to investigate in case of chemical hazards?	04
	(c) Explain the importance of safety audit in industries.	07
Q.4	(a) Mention hazards associated with hand-held tools of construction industry.	03
	(b) Provide explanation on workplace hygiene.	04
	(c) Write short note on occupational health and safety.	07
	OR	
Q.4	(a) Classify the Industrial Hazards.	03
	(b) Explain workplace stress.	04
	(c) What is incident reporting and investigation in case of accident?	07
Q.5	(a) Explain common causes of fire and consequence of fire incident.	03
	(b) Write brief importance of first aid and list down essential components of first aid kit.	04
	(c) Write a note on sources and risk identification in case of construction site.	07
	OR	
Q.5	(a) Explain the importance of PPE kit.	03
	(b) List down the hazards involved in agricultural industry.	04
	(c) Write a note on sources and risk identification in case of electric hazards.	07
