

Enrolment No./Seat No.:

GUJARAT TECHNOLOGICAL UNIVERSITY
Bachelor of Vocation - SEMESTER - IV EXAMINATION - SUMMER 2025

Subject Code: 1140703

Date: 15-05-2025

Subject Industrial Safety

Name:

Time:10:30 AM TO 12:30 PM

Total Marks: 50

Instructions

- 1. Attempt all questions.**
- 2. Make Suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**
- 4. Use of simple calculators and non-programmable scientific calculators are permitted.**

Q.1 (a) Define Safety. Explain types of Industrial Safety. 05

(b) Define accident and explain types of accident in brief. 05

Q.2 (a) Explain why is earthing needed in electrical systems? 05

(b) Explain factors affecting the earth resistance. 05

OR

(b) Explain what are clearance and creepages in electrical systems? 05

Q.3 (a) Explain different method of earthing. 05

(b) What is HAZOP? Describe its purpose and how it helps identify risks in operations. 05

OR

(a) What are the main differences between HAZID and HAZOP? 05

(b) Explain any four methods used to identify hazards in the workplace. 05

Q.4 (a) Explain the different types of Personal Protective Equipment (PPE) and their applications. 05

(b) Discuss the proper use and maintenance of PPE. 05

OR

(a) What is CPR , and how should it be performed? 05

(b) Write Short note on First Aid. 05

Q.5 (a) What are the key PPE regulations and standards? 05

(b) What are the key components of evacuation procedures during an emergency? 05

OR

(a) How should fire emergencies be managed effectively? 05

(b) What are the benefits of conducting regular emergency drills? 05
