

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**ME – SEMESTER – III (New) • EXAMINATION – WINTER - 2020**

**Subject Code: 3730006**

**Date: 1/1/2021**

**Subject Name: Industrial Safety**

**Time: 10:30 AM TO 12:30 PM**

**Total Marks: 56**

**Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Classify types of accidents and explain any one in brief. **07**  
(b) Mention and describe the salient points of Factories Act 1948 for health and safety in brief. **07**
- Q.2** (a) Explain causes of electrical hazards in detail. **07**  
(b) Explain safety colour codes. **07**
- Q.3** (a) Explain the primary and secondary functions of maintenance department. **07**  
(b) List types of maintenance and explain corrective and scheduled maintenance. **07**
- Q.4** (a) List and explain the tools used for maintenance work. **07**  
(b) What is service life of an equipment? Explain the factors responsible to prolong it? **07**
- Q.5** (a) State different types of wear. Explain corrosive wear in detail. **07**  
(b) Mention types of lubricants and their applications. **07**
- Q.6** (a) Mention types of corrosion and explain any one of them. **07**  
(b) Define fault tracing and mention activities of fault tracing in brief. **07**
- Q.7** (a) Draw a decision tree to trace a fault when electric motor becomes hot in short time. **07**  
(b) Define periodic inspection. Explain the procedure for periodic inspection. **07**
- Q.8** (a) What is degreasing? Explain the various methods of degreasing. **07**  
(b) What is overhauling? Explain the procedure of overhauling for an electric motor. **07**

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