

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

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

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE - SEMESTER-VI • EXAMINATION – SUMMER 2014**

**Subject Code: 161305**

**Date: 26-05 -2014**

**Subject Name: Occupational Health & Safety**

**Time: 10:30 am to 01:00 pm**

**Total Marks: 70**

**Instructions:**

- 1. Attempt all questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

- Q.1 (a)** What is occupational hazard? Explain any one in detail. 07  
**(b)** Discuss preventive measures for occupational hazards. 07
- Q.2 (a)** Explain the preventive measures for accident. 07  
**(b)** Explain concept and philosophy of safety. 07
- OR**
- (b)** What are the factors impeding safety. 07
- Q.3 (a)** Explain in detail electrical safety. 07  
**(b)** Explain classes of fire. 07
- OR**
- (a)** Write a short note on fire prevention and protection systems. 07  
**(b)** Write a short note on safety organization. 07
- Q.4 (a)** Explain safety appraisal system in detail. 07  
**(b)** Discuss in brief Hazard and Operability study (HAZOP). 07
- OR**
- (a)** Write a short note on hazard and risk assessment techniques. 07  
**(b)** Write a short note on fault tree analysis 07
- Q.5 (a)** Write a short note on on-site emergency plan. 07  
**(b)** Write a short note on personal protective equipments. 07
- OR**
- (a)** Write a short note on off-site emergency plan. 07  
**(b)** Explain with the help of case-study “Need for safety”. 07

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