

GUJARAT TECHNOLOGICAL UNIVERSITY**B. E. Sem-VI Examination May 2011****Subject code: 161305****Subject Name: Occupational Health & Safety****Date: 23/05/2011****Time: 10.30 am – 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) Discuss occupational hazards. **07**

(b) What is mean by occupational diseases? Explain any one in detail. **07**

Q.2 (a) Write short note on Accident. **07**

(b) Explain the preventive measures for accident. **07**

OR

(b) Explain dangerous properties of chemicals. **07**

Q.3 (a) Classify the fire extinguisher in detail. **07**

(b) Explain concept of safety and philosophy of safety. **07**

OR

Q.3 (a) Explain safety terminology. **07**

(b) Write short note on safety organization. **07**

Q.4 (a) Explain in detail electrical safety. **07**

(b) Define Permissible Exposure Limit, Threshold Limit Value, Lethal Dose and Lethal Concentration. **07**

OR

Q.4 (a) Discuss in brief HAZOP. **07**

(b) Write a short note on On-Site Emergency Plan. **07**

Q.5 (a) Discuss in brief HAZAN. **07**

(b) Write a short note on Off-Site Emergency Plan. **07**

OR

Q.5 (a) Explain in brief "PPE". **07**

(b) Discuss preventive measures for occupational hazards. **07**
