

GUJARAT TECHNOLOGICAL UNIVERSITY
ME- SEMESTER II- EXAMINATION – SUMMER 2015

Subject Code: 2721711**Date: 30/05/2015****Subject Name: Industrial Hygiene and Safety****Time: 2:30 PM – 5:00 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) Define the terms **07**
(i) Occupational Health (ii) Occupational Hygiene (iii) Hazard
(iv) Risk (v) Safety (vi) Accident (vii) Noise
- (b) Explain in brief: Routes of toxic materials into human body. **07**
- Q.2** (a) Give the classification of occupational hazard and explain any one in detail. **07**
- (b) List down monitoring instruments which are used in industrial hygiene and safety and explain any one in detail. **07**
- OR**
- (b) Explain the preventive measures for accident. **07**
- Q.3** (a) Write a short note on Personal Protective Equipments. **07**
- (b) Write a short note on factors contributing Fire. **07**
- OR**
- Q.3** (a) Write a short note on Heat Stress. **07**
- (b) Write a short note on Threshold Limit Values (TLVs). **07**
- Q.4** (a) Briefly explain classification of fire and extinguishers. **07**
- (b) List down general safety measures for electric work. **07**
- OR**
- Q.4** (a) Tabulate preventive measures of occupational hazards according to industries. **07**
- (b) Write a short note on HAZOP. **07**
- Q.5** (a) What do you mean by Occupational Disease? Enlist and explain any one Occupational Disease in detail. **07**
- (b) Write a short note on HAZAN. **07**
- OR**
- Q.5** (a) Write a note on engineering control and administrative control. **07**
- (b) Explain concept of safety in detail. **07**
