

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2014****Subject code: 1724902****Date: 18-06-2014****Subject Name: Construction Safety Management****Time: 02:30 pm - 05:00 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) Write Principle of Safety for various construction projects. **07**
 (b) What is safety? Requirement of safety and safety management on construction sites. **07**

- Q.2** (a) Give explanation regarding Personal and Public safety and its management in real construction practice. **07**
 (b) How Direct and Indirect cost of the construction is affected to the poor safety management? **07**

OR

- (b) Write Duties and Responsibilities of Site safety Engineer and contractor in safety management. **07**

- Q.3** (a) Explain following terms with keep in mind about safety policies: Risk assessment, Risk Control, Risk Management **07**
 (b) Enlist the human errors on site. And write influences which can be useful to minimize human errors. **07**

OR

- Q.3** (a) Why the causes and provisions of safety are required to be incorporated in contract (construction works)? Describe various provisions in this regard with your own views. **07**
 (b) What is an accident? Discuss critically the reasons of accident on construction site? How will you overcome the same, mention precautionary & lost measures for the same? **07**

- Q.4** (a) Write Short Note on: Safety requirement for Scaffolding, formwork and False work **07**
 (b) Give essential of safety awareness & culture and how it can be beneficial to the workers. **07**

OR

- Q.4** (a) Write Short Note on: Safety in Lifting appliances and Tunneling Work. **07**
 (b) Write about on site safety assessment and equipments **07**

- Q.5** (a) Write Short Note on: Workman Compensation Act and Focus on various aspects on detail. **07**
 (b) Correlate the following terms with each other: Health, Safety and Cost. **07**

OR

- Q.5** (a) Give explanation: Sub contractual obligation and preparation regarding documents **07**
 (b) Give your views about following statement: ñ Safety Management of Industrial Building can able to handle easily while comparing to the high rise Buildingò **07**
