

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

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

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**ME - SEMESTER-1(NEW) • EXAMINATION – WINTER 2014**

**Subject Code: 2711407**

**Date: 12/01/ 2015**

**Subject Name: Quality Control and Safety Management in Construction**

**Time: 2.30 pm to 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) Describe the role of Quality Management and Safety Management for the development as well as enhancement of Construction Industries. **07**
- (b) Define the following terms with reference to construction Project **07**  
(a) Quality Planning (b) Strategic Planning (c) Construction Satisfaction
- Q.2** (a) Signify the Quality Policies and Quality Perspectives with reference to construction industries. **07**
- (b) Explain the term quality control and quality inspection in detail. **07**
- OR**
- (b) How do you carry out safety appraisal and safety audit on construction sites. **07**
- Q.3** (a) Describe the terms Customer Appraisal, Reward and Recognition in detail. **07**
- (b) Write the strategies of rating the supplier for construction projects. **07**
- OR**
- Q.3** (a) Enlist and describe the strategic quality planning process. **07**
- (b) Describe the Taguchi's concept of quality used for construction management **07**
- Q.4** (a) Explain Evolution Chart of Quality Management. **07**
- (b) Enlist and explain various causes of Accident and Hazards in construction Projects. **07**
- OR**
- Q.4** (a) State the various levels to achieve the quality in construction projects **07**
- (b) Enlist and describe various laws related to industrial safety. **07**
- Q.5** (a) State various principles of Safety for various construction projects **07**
- (b) How do you develop safety policy and safety culture on construction site **07**
- OR**
- Q.5** (a) Write Duties and Responsibilities of Site safety Engineer and contractor in safety management **07**
- (b) What does Effective Safety Programme mean ? Prepare a strategy to develop effective safety Programme during construction of extension work in industrial premises. **07**

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