

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
M.Tech., Winter 2018 - 19 Examination

Semester: 1
Subject Code: 03216104
**Subject Name: Quality, Safety Management and Corporate
Social Responsibility in Construction Projects**

Date: 13/12/2018
Time: 10:30 am to 1:00 pm
Total Marks: 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 A) Give your comments on “quality is measured as the total loss to society caused a product” with suitable example. (05)

B) Enlist and explain factors affecting on quality management. Give advantages and dis-advantages of quality management. (05)

C) Justify “cost is more important than quality but quality is the best way to reduce cost” with suitable example. (05)

Q.2 Answer the following questions. (Attempt any three) (Each five mark) (15)

A) Define following terms: Quality Assurance, Quality Control, Zero Defect, Quality, Quality Management

B) Discuss the contributions of Juran in the field of quality management.

C) Enlist and explain key factors involved quality control of concrete production.

D) What are the various types of checklists and inspection reports that have to be designed to ensure proper monitoring and control of quality assurance on the job?

Q.3 A) Give your comments on "TQM is an effective and productive way for construction industries". (07)

B) Discuss the importance of audit in the context of quality conformance. (08)

OR

B) Discuss the standard operating procedures (SOP) method. (08)

Q.4 A) Write a short note on OSHA. How it is beneficial to the construction industry in case of safety management. (07)

OR

A) Justify: “safety management of commercial building can able to handle easily while comparing to the industrial building”. (07)

B) Write duties and responsibilities of site engineer and contractor in safety management. (08)