

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
M.Tech; Winter 2017 - 18 Examination

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

Date: 02-01-2018
Time: 02.00pm to 04.30 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 Answer the following questions. (05)

- A) What are the benefits of TQM in construction industry? (05)
- B) Write short note on: "Quality Control Function". (05)
- C) Explain the repercussions of construction accidents. (05)

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

- A) Enlist various quality tools used in TQM. Explain SPC in detail.
- B) Explain "Audits" in connection of TQM.
- C) Under what circumstances even the lowest tender can also be rejected?
- D) Write short note on "Construction accident reporting".

Q.3 A) What is the importance of quality management in context of construction project? (07)

- B) Discuss Juran's suggested steps for quality improvement. (08)

OR

- B) Discuss the contribution of Deming in the field of Quality Management. (08)

Q.4 A) Enlist the sections and sub-sections of ISO 9001:2000. (07)

OR

- A) Explain "Quality Management Principles" as per ISO 9001:2000. (07)
- B) Explain in detail the entire standard bid process from conceptual stage to handover stage. (08)