

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

**Semester: 1****Date: 02/05/2019****Subject Code: 203216134****Time: 10:30am to 1:00pm****Subject Name: Quality and safety management in construction projects****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) Discuss Taguchi's concept of quality. (05)  
B) What is FMEA? What is the need to do FMEA (05)  
C) Write brief note on Quality Policy. (05)
- Q.2 Answer the following questions.** (Attempt any three) (Each five mark) (15)  
A) Discuss inspection in a construction industry.  
B) Write short note on ISO standards and their benefits.  
C) What is quality control and quality assurance in a construction industry?  
D) What is Safety? How it is important in Construction work?
- Q.3** A) Write short note on OSHAAS Guideline for Construction Safety (07)  
B) Explain “ Quality Management Principles” as per ISO 9001:2000 (08)
- OR**
- B) What is Hazard? Explain types of Hazards. Write the control measure of Hazard? (08)
- Q.4** A).Enlist the sections and subsection of ISO 9001 :2000. (07)
- OR**
- A) How do you Define Construction Quality? Why quality in construction Work is different? (07)  
B) Discuss Juran’s suggested steps for quality improvement (08)