

No. of Printed Pages : 03

Roll No.

BB-88

M. Tech. EXAMINATION, May 2018

(Second Semester)

(B. Scheme) (Main & Re-appear)

(ME)

MEI504B

QUALITY ENGINEERING

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(3-16/10)M-BB-88

P.T.O.

Unit I

1. (a) Discuss evolution of quality management philosophy. **7**
(b) Define Quality. Discuss the importance of quality in industries. **8**
2. What do you mean by cost of quality ? Explain the different types of quality costs. **15**

Unit II

3. Explain in brief quality philosophies as advocated by different quality Gurus. **15**
4. Discuss the importance of quality assurance and quality control in industries. **15**

Unit III

5. Explain the quality of seven old or fundamental tools for quality in industries by taking suitable practical examples. **15**

6. Discuss in brief the following : **15**
(a) Taguchi Method
(b) Six Sigma approach.

Unit IV

7. (a) Discuss organizational issues in TQM. **7**
(b) Explain the concept of Benchmarking. **8**
8. Explain some characteristics of a service system that distinguishes it from a manufacturing system and hence discuss service quality. **15**