

No. of Printed Pages : 03

Roll No.

BB88

M.Tech. EXAMINATION, May 2019

(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.

(3-30/4) M-BB88

P.T.O.

Unit I

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

Unit II

3. Explain the concepts of quality assurance and quality control. 15
4. Discuss in brief quality philosophies as advocated by quality Gurus-Deming, Juran, Crosby, and Ishikawa. 15

Unit III

5. Discuss the significance of old and new tools for quality. Explain the utility of seven old or fundamental tools for quality in industries by taking suitable practical examples. 15

6. Explain in brief :

- (a) Acceptance Sampling
- (b) Process Capability. 15

Unit IV

7. Discuss some characteristics of a service system that distinguishes it from a manufacturing system and hence explain service quality model. 15

8. Write short notes on the following :

- (a) Strategic quality planning
- (b) Kaizen
- (c) Implementation aspects in TQM. 15