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Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 33234 Roll No. 1 2 0 0 4 3 2 2 3 8

B. ~~Arch.~~ Tech Examination 2023-24

(Odd Semester)

QUALITY MANAGEMENT

Time : Three Hours] *[Maximum Marks : 60*

Note :– Attempt all questions.

SECTION – A

1. Attempt all parts of the following : 8×1=8

   (a) State the dimensions of quality.

   (b) How to understand review of design?

   (c) How claim analysis is done?

   (d) What is strategic sourcing?

   (e) Define MTTR.

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(f) What do you understand by quality audit?

(g) Define 5s.

(h) Define causes of operator's error.

SECTION – B

2. Attempt any two parts of the following : 2×6=12

(a) Explain the procurement procedure in detail with the help of flow chart.

(b) What is quality cost and optimizing quality cost. Explain any one.

(c) What is control chart? Discuss application of various charts.

(d) Discuss the factors to be considered for organization structure for quality management.

SECTION – C

Note :– Attempt all questions. Attempt any two parts from each question. 5×8=40

3. (a) Human factor is the most important element in quality of a product. justify the answer.

(b) Discuss the importance of having third party auditing of quality system implementation.

(c) Explain quality circles in detail.

4. (a) Define the quality circle and explain its philosophy and benefits.

(b) Draw total product cost versus product reliability curve. Explain in detail.

(c) What are the factors affecting reliability? Explain the evolution of reliability.

5. (a) What is ISO? Explain quality system ISO : 9000?

(b) Explain the objectives and steps of Taguchi method.

(c) State the objectives and challenges control charts.

6. (a) How the evaluation of supplier is done? Explain.

(b) What do you understand by quality functions? Explain in detail.

(c) What are duties of defect monitoring cell in a quality organization?

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