

CBCS Scheme

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15CT61

Sixth Semester B.E. Degree Examination, June/July 2018 Construction Quality Management

Time: 3 hrs.

Max. Marks: 80

Note: Answer any FIVE full questions, choosing one full question from each module.

Module-1

- 1 a. Explain the principles of quality management system. (08 Marks)
b. Explain the following terms: i) Quality control ii) Quality assurance (08 Marks)

OR

- 2 a. Explain all the dimensions of quality. (08 Marks)
b. What is cost of quality? Explain the various cost component of a quality management plan. (08 Marks)

Module-2

- 3 a. What is total quality management? Briefly explain the reasons for the failure of TQM. (08 Marks)
b. Explain the procedure for ISO-9001:2000 certification for construction industry. (08 Marks)

OR

- 4 a. Briefly explain the Oakland model of TQM, with neat sketch. (08 Marks)
b. Explain the salient features of ISO:14000. (08 Marks)

Module-3

- 5 a. Explain the steps involved in the formation of quality circle. (08 Marks)
b. Explain briefly the roles and responsibilities of facilitator. (08 Marks)

OR

- 6 a. Explain briefly the roles and responsibilities of steering committee. (08 Marks)
b. What is meant by quality audit? Explain the different types of quality audits. (08 Marks)

Module-4

- 7 a. Explain the measures to be taken in quality control of structural work. (08 Marks)
b. Explain the quality checks adopted while executing woodwork and timber. (08 Marks)

OR

- 8 a. Explain the quality checks adopted for concreting. (08 Marks)
b. Briefly explain the measures to be taken in quality control of (i) stone masonry (ii) electrical installation. (08 Marks)

Module-5

- 9 a. What are the advantages of benchmarking? Explain the different types of benchmarking. (08 Marks)
b. Explain the quality control checks one has to implement when a construction site receives a fresh batch of cement, sand and steel. (08 Marks)

OR

- 10 a. Briefly explain quality inspection and its types. (08 Marks)
b. What do you understand by training? What are the aspects of training during the implementation of QMS? (08 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.