

# CBCS SCHEME

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18IM743

## Seventh Semester B.E. Degree Examination, Feb./Mar. 2022 World Class Manufacturing

Time: 3 hrs.

Max. Marks: 100

**Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.  
2. Any data Missing, if any, assume suitably.**

### Module-1

- 1 a. Explain World Class Manufacturing and list the objectives of World Class Manufacturing. (10 Marks)  
b. Discuss the Hall's frameworks of Value Added Engineering. (10 Marks)

OR

- 2 a. Explain the following with respect to practices of World Class Manufacturing :  
i) The Customer Interface ii) The Supplier Interface. (10 Marks)  
b. Discuss briefly the First principles of World Class Manufacturing. (10 Marks)

### Module-2

- 3 a. Explain briefly how to create a Data Collection Plan. (10 Marks)  
b. Explain briefly Internal sources for Data Collection. (10 Marks)

OR

- 4 a. Explain the significance of Gap Analysis. List the tools used to Analyze the Gap. (10 Marks)  
b. Explain briefly the Value Stream Mapping Process. (10 Marks)

### Module-3

- 5 a. Discuss the steps involved in Benchmarking Process. (10 Marks)  
b. Explain the types of Benchmarking. (10 Marks)

OR

- 6 a. Explain the concept of step Zero. (06 Marks)  
b. Differentiate between Benchmarking and Benchmark. (04 Marks)  
c. Explain with a block diagram the Benchmarking Process. (10 Marks)

### Module-4

- 7 a. Discuss the significance of the 3C's of Business Process Reengineering. (10 Marks)  
b. Explain the importance of keywords of Business Process Reengineering. (10 Marks)

OR

- 8 a. Explain the Malcolm Baldrige Quality Award. (10 Marks)  
b. Discuss the ISO 9000 : 2000 framework for Business Excellence. (10 Marks)

### Module-5

- 9 a. Explain briefly 5 – steps process of Design for Six Sigma. (08 Marks)  
b. Mention the advantages of Design for Six Sigma. (04 Marks)  
c. Explain the design for Six Sigma and the Customer for design of a New product. (08 Marks)

OR

- 10 a. Explain briefly Traditional Costing System and Activity Based Costing. (04 Marks)  
b. Explain the steps involved in Activity Based Costing. (08 Marks)  
c. Explain briefly Activity Based Management. (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.