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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 (10 Marks)
 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)