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10ME769

Seventh Semester B.E. Degree Examination, June/July 2016
Product Lifecycle Management

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions, selecting atleast TWO questions from each part.

PART - A

- 1 a. Explain the need and benefits of PLCM. (04 Marks)
b. Explain the components of PLCM. (08 Marks)
c. Explain Product Life cycle model with neat sketch. (08 Marks)
- 2 a. Explain the elements of PLCM. (08 Marks)
b. Explain the six phases of product development process. (08 Marks)
c. Explain the characteristics of PLCM. (04 Marks)
- 3 a. Explain the components of product data management. (08 Marks)
b. Explain the reasons for Implementing PDM systems. (08 Marks)
c. Explain the importance of PDM systems. (04 Marks)
- 4 a. Discuss about Engineering Vaulting. (04 Marks)
b. Explain Engineering change management. (08 Marks)
c. Explain collaborative product development. (08 Marks)

PART - B

- 5 a. Explain the steps involved in an acrobat 3D document. (10 Marks)
b. Explain the process of creation of 3DXML and CAD software tools. (10 Marks)
- 6 a. Discuss about the best practices of knowledge and optimization of design products. (10 Marks)
b. Explain the parameterization of product design. (10 Marks)
- 7 a. Explain the concept of Digital manufacturing. (10 Marks)
b. Explain the benefits of manufacturing. (10 Marks)
- 8 a. Discuss the PLM initiative to support corporate objectives. (08 Marks)
b. Explain about PLM strategy. (08 Marks)
c. Explain about PLM assessment. (04 Marks)

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.