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17ME835

Eighth Semester B.E. Degree Examination, July/August 2021 Product Life Cycle Management

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions.

- 1 a. List the benefits of PLM. (10 Marks)
b. With neat sketch, explain PLM model. (10 Marks)
- 2 a. Explain the reasons for implementation of PDM system. (10 Marks)
b. Explain the phases of PLM. (10 Marks)
- 3 a. With neat sketch, explain the Design for X and Design centered development model. (10 Marks)
b. With neat sketch, explain Methodical Evolution in Product design. (10 Marks)
- 4 a. Explain with a graph strategies for recovery at end of life. (10 Marks)
b. Briefly explain Engineering Design. (10 Marks)
- 5 a. With neat sketch, explain various product development. (10 Marks)
b. Define Building decision support system. Explain components of DSS architecture. (10 Marks)
- 6 a. With flow chart, explain launching new product program. (10 Marks)
b. Explain Top – down and Bottom up in new product financial control. (10 Marks)
- 7 a. Explain technology change with various stages. (10 Marks)
b. Explain the various Technology forecasting methods. (10 Marks)
- 8 a. Write short notes on Morphology methods. (10 Marks)
b. What is necessity of Technology forecasting? (10 Marks)
- 9 a. Write short notes on Digital mock up. (10 Marks)
b. What is 3D – CAD system and model building? (10 Marks)
- 10 a. Explain Variant Management. (10 Marks)
b. Explain Product data description and Data models. (10 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.