

CBCS Scheme

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16/17MPD22

Second Semester M.Tech. Degree Examination, June/July 2018 Product Data Management

Time: 3 hrs.

Max. Marks: 80

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

Module-1

- 1 a. Define PDM. With block diagram, explain its role in product life cycle. (08 Marks)
b. Explain any 4 important applications used in PDM system. (08 Marks)

OR

- 2 a. What is complexity in product development? Explain any 6 parameters that influence complexity. (08 Marks)
b. Explain system architecture in PDM. (08 Marks)

Module-2

- 3 a. Explain document life cycle. (08 Marks)
b. Write note on document management resources on the internet. (08 Marks)

OR

- 4 a. With an example explain document management and related technologies. (08 Marks)
b. Explain content management. Write any four content management tools. (08 Marks)

Module-3

- 5 a. Discuss the issues involved in product configuration management activities. (08 Marks)
b. Explain version management in PDM. (08 Marks)

OR

- 6 a. What is product structure management? With an example, explain its activities. (08 Marks)
b. Explain change management and its objectives. (08 Marks)

Module-4

- 7 a. Explain the wind-chill runtime architecture. (08 Marks)
b. With block diagram, explain team center application in the PLC. (08 Marks)

OR

- 8 a. Write note on matrix one. (08 Marks)
b. Explain the building product structure. (08 Marks)

Module-5

- 9 a. Explain the objectives of each phases of PLC in "sun micro system". (08 Marks)
b. With block diagram, explain the tools used for data management in ABB Automatic technology products. (08 Marks)

OR

- 10 a. Explain the product structure in Ericsson Radio systems. (08 Marks)
b. Explain the near PDM system central article and structure (CAS) – II developed by Saab Tech Electronics AB. (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.