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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 stages of New product development.   **(10 Marks)**
    b.   Define Building decision support system. Explain components of DSS architecture.   **(10 Marks)**

6   a.   With flow chart, explain launching and tracking new product program.   **(10 Marks)**
    b.   Explain Top – down and Bottom – up approach 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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