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Question Paper Code: 4023059

M.E. / M.Tech. DEGREE EXAMINATIONS, NOV/ DEC 2024

Third Semester

CAD/CAM

P20CC301 – PRODUCT LIFECYCLE MANAGEMENT

(Regulation 2020)

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions

PART – A

(10 x 2 = 20 Marks)

1. Mention the need for PLM.
2. Point out the phases of product life cycle.
3. State the elements of CAD.
4. List the modules of ERP.
5. Define BOM.
6. What are the factors in digital marketing?
7. Mention the functional units of system architecture.
8. Classify product data model.
9. Define PLM vision.
10. Mention the principles of PLM strategy.

11. (a) Explain the features of product lifecycle management system. (16)

(OR)

(b) Explain the challenges of the corporate while implementing PLM. (16)

12. (a) Discuss the scope and objective of engineering data management with suitable illustrations. (16)

(OR)

(b) Discuss product data management and reason for implementing PDM in an organization. (16)

13. (a) Explain the characteristics of collaborative product commerce. (16)

(OR)

(b) Explain the process in bill of material for product life cycle. (16)

14. (a) Elaborate the components of information model with an illustration. (16)

(OR)

(b) Enumerate the reasons for the deployment of PLM. (16)

15. (a) Briefly explain characteristics and process of product workflow in PLM. (16)

(OR)

(b) Explain the steps involved to select the preferred PLM strategy. (16)