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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech III Year II Semester Supplementary Examinations July-2021

CAD/CAM

(Mechanical Engineering)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

- 1 a Draw the CAD/CAM product cycle with neat sketch. 6M
b Explain the product cycle and CAD/CAM product cycle. 6M

OR

- 2 a Explain homogeneous transformations. 6M
b Utilization in an Industrial Environment of CAD. 6M

UNIT-II

- 3 Discuss various types of geometric modeling with neat sketches. 12M

OR

- 4 a Define the solid modeling and Explain any one type of solid modeling. 6M
b Compare 2-D and 3-D wire frame models. 6M

UNIT-III

- 5 With neat sketch and describe the canned cycles. 12M

OR

- 6 Explain the details about Auxiliary statement 12M

UNIT-IV

- 7 a Explain detail about material handling systems. 6M
b Write the advantage of material handling system. 6M

OR

- 8 a Short notes on manufacturing system. 6M
b What are the Types of manufacturing system and Explain any one. 6M

UNIT-V

- 9 Explain the Retrieval type system with neat sketch and explain the Benefits of CAPP. 12M

OR

- 10 a Differentiate MRP-I and MRP-II. 6M
b Write Short notes on MRP-II and advantage and dis advantage. 6M

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