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Question Paper Code:92P01

M.E.DEGREE EXAMINATION, MAY 2022

CAD/CAM

19PCD201 -DESIGN FOR MANUFACTURE, ASSEMBLY AND ENVIRONMENTS

(Regulation 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) Briefly explain about design principles which used in CO1- U (20)
manufacturability.
Or
(b) How the evaluation method used in DFMA. CO1- U (20)
2. (a) Explain in detail about the suitable sketch of form design of casting CO2- U (20)
member.
Or
(b) Explain in detail about the suitable sketch of form design of welded CO2- U (20)
defects.
3. (a) Explain in detail about the design for assembly. CO3- U (20)
Or
(b) Explain in detail about simplification by amalgamation. CO3- U (20)
4. (a) Explain in detail about minimizing the core requirements. CO4- U (20)
Or
(b) Explain in detail about casting requiring special sand cores. CO4- U (20)
5. (a) Explain in detail of design to minimize the material in design. CO5- U (20)
Or
(b) Explain in detail with suitable sketch of Remanufacturing. CO5- U (20)

