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Question Paper Code: U2101

M.E. DEGREE EXAMINATION, NOV 2024

Second Semester

CAD / CAM

21PCD201 - DESIGN FOR SUSTAINABILITY

(Regulations 2021)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) Briefly explain about Mechanical factors and Mechanism selection. CO1- U (20)
Or
(b) Explain in detail about the assembly limits, Datum features & tolerance stack. CO1- U (20)
2. (a) Explain in detail about the suitable sketch of form design of welded member. CO2- U (20)
Or
(b) Explain in detail about the suitable sketch of form design of casting defects. CO2- U (20)
3. (a) Explain in detail about the design for clamp ability. CO3- U (20)
Or
(b) Explain in detail about the design for economy. CO3- U (20)
4. (a) Explain in detail about machined holes in casting process. CO4- U (20)
Or
(b) Draw and explain identify the possible and portable parting line. CO4- U (20)
5. (a) Explain in detail about the techniques to reduce the environment impact in design. CO5- U (20)
Or
(b) Explain in detail with suitable sketch of Recycling of the product. CO5- U (20)

