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**Question Paper Code: 52121**

M.E. DEGREE EXAMINATION, MAY 2017

Second Semester

CAD / CAM

15PCD201 - DESIGN FOR MANUFACTURE, ASSEMBLY AND ENVIRONMENTS

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 20 = 100 Marks)

1. (a) Briefly explain about tolerance and its types. (20)  
Or  
(b) Explain in detail about the strength and mechanical factors. (20)
  2. (a) Explain in detail about the influence of material in form design. (20)  
Or  
(b) Explain in detail about the suitable sketch of form design of forging defects. (20)
  3. (a) Explain in detail about the doweling procedure and counter sunk screws. (20)  
Or  
(b) Explain in detail about the design for mach inability. (20)
  4. (a) Explain in detail about computer application in DFMA. (20)  
Or  
(b) Explain in detail about inspection method in GT. (20)
  5. (a) Explain in detail in AT and T product assessment method. (20)  
Or  
(b) Explain in detail about design for energy efficiency. (20)
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