

Reg. No. :

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**Question Paper Code: 53P12**

M.E.DEGREE EXAMINATION, NOV 2017

Third Semester

CAD / CAM

15PCD302 – ADDITIVE MANUFACTURING

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

(5 x 20 = 100 Marks)

1. (a) Write a note on the impact of AM on product development. (20)  
Or  
(b) Explain the transition of RP to AM. (20)
  2. (a) Explain about data formats and data interfacing. (20)  
Or  
(b) Explain the geometric modeling techniques. (20)
  3. (a) Explain the working principle of SLA. (20)  
Or  
(b) Explain the working principle of FDM. (20)
  4. (a) What is LENS? Explain the same. (20)  
Or  
(b) Explain the applications of SLS and its processing techniques. (20)
  5. (a) Explain the working principle of 3DP. (20)  
Or  
(b) Explain Electron Beam Melting. (20)
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