Reg. No. :

Question Paper Code: 95P23

Ph.D. COURSE WORK EXAMINATION, NOV 2019

Elective

CAD/CAM

19PCD523 – ADDITIVE MANUFACTURING

(Regulation 2019)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) Write a note on the need and development of AM systems.   CO1- U   (20)

Or

   (b) Write a note on the benefits and applications of AM.   CO1- U   (20)

2. (a) What is part orientation? Explain with illustrations.   CO2- U   (20)

Or

   (b) Explain in detail data processing for RP.   CO2- U   (20)

3. (a) Explain the working principle of SGC.   CO3- U   (20)

Or

   (b) Explain the working principle of FDM.   CO3- U   (20)

4. (a) Explain the applications of SLS and its processing techniques.   CO4- U   (20)

Or

   (b) Explain the effect of surface deviation in LENS.   CO4- U   (20)

5. (a) Explain the working principle of SDM.   CO5- U   (20)

Or

   (b) Brief the pre and post processing in BPM.   CO5- U   (20)

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