

Reg. No. :

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Question Paper Code: 52102

M.E. DEGREE EXAMINATION, MAY 2017

Elective

CAD / CAM

15PCD519 - LEAN MANUFACTURING

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 20 = 100 Marks)

1. (a) Explain muda in detail. Differentiate muda, mura and muri with example. (20)

Or

(b) Explain the revolution of lean production in detail. (20)

2. (a) Explain 5s system in detail. (20)

Or

(b) What are the charts used for standardized work. Explain it in detail. (20)

3. (a) What is JIT? Explain the components of JIT in detail. (20)

Or

(b) What is value stream mapping explain it in detail. (20)

4. (a) What is poka-yoke? Explain the inspection system and zone control. (20)

Or

(b) What are the types of detection methods of poke-yoke. Explain it in detail. (20)

5. (a) Discuss lean culture in detail. (20)

Or

(b) Explain the Hoshin planning system in detail. (20)