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## Question Paper Code: 42858

## B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2018 Seventh Semester

Mechanical Engineering
ME 2402 – COMPUTER INTEGRATED MANUFACTURING
(Regulations 2008)

(Common to PTME 2402 – Computer Integrated Manufacturing for BE (Part-Time) Sixth Semester – Mechanical Engineering – Regulations 2009)

Time: Three Hours

Maximum: 100 Marks

## Answer ALL questions.

PART - A

 $(10\times2=20 \text{ Marks})$ 

- 1. Write the various methods for representing the solids.
- 2. Mention the reasons for implementing CAD.
- 3. Write the importance of CIM.
- 4. What are all the components of a LAN?
- 5. Define: Cellular manufacturing.
- 6. Define Part family.
- 7. What is an FMS?
- 8. Distinguish between PULL and PUSH systems.
- 9. List the Activities of production planning.
- 10. Define the term DDC.

PART - B

(5×16=80 Marks)

- 11. a) i) What are homogeneous co-ordinates? How the composition of 2D Transformations can be carried out?
  - ii) What is CAD? Discuss the various design related tasks performed by CAD.

(10)

(OR)

(8)

(8)

b) i) List the benefits of MRP.

ii) Explain the optional distributed control with neat sketch