

Total No. of Questions : 4]

SEAT No. :

PA-10220

[Total No. of Pages : 1

[6010]-96

B.E. (Mechanical Engineering) (Insem)
COMPUTER INTEGRATED MANUFACTURING
(2019 Pattern) (Semester - VIII) (402048)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Answer Q.1 or Q.2, Q.3 or Q.4*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume Suitable data if necessary*
- 5) *Use of electronic pocket calculator is allowed*

Q1) a) Explain elements of computer Integrated Manufacturing with the help of CIM wheel. [7]

b) List peripheral devices and manufacturing equipment used in CIM. Explain any three-hardware system used in CIM system. [8]

OR

Q2) a) Define automation and compare various types of automation. [7]

b) Explain the role of CIM in bringing the significant technological change in the field of manufacturing. [8]

Q3) a) Define DBMS (Data Base Management System) and Explain the different functions performed by typical DBMS. [7]

b) Explain the role, phases and benefits of Product life cycle management. [8]

OR

Q4) a) Explain different types of CIM Networking such as bus/linear network ring/loop network star/radial network by means of suitable diagrams. [7]

b) What is PDM? What type of data is managed by product data management system (PDM)? [8]

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