Total No. of Questions : 4] **SEAT No. :**

PB316 **[Total No. of Pages : 1**

[6270]-109
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 and 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.***

Q1) a) Describe evolution of Computer Integrated Manufacturing (CIM) as related to CAD/CAM and mention the scope of CIM. **[7]**

b) Summarize the obstacles or the challenges of CIM. **[8]**

OR

Q2) a) List the advantages/benefits of CIM. **[6]**

b) Sketch elements of Computer Integrated Manufacturing with the help of CIM wheel. **[9]**

Q3) a) Explain different types of CIM network such as Bus or liner network, Ring or loop network and Star or radial network. **[9]**

b) Define Data Base Management System and explain the different functions performed by typical DBMS. **[6]**

OR

Q4) a) Explain benefits of Integration of CAD CAM system. **[6]**

b) Explain Product Lifecycle management (PLM) with any case study example. **[9]**

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