Roll No ....

MMCM - 103

M.E./M. Tech., I Semester

Examination, June 2014

Computer Integrated Manufacturing

Time : Three Hours

Max. Marks : 70

Note: i)   Total No. of questions eight.
ii) Solve any five questions.   **RGPVONLINE.COM**
iii) Assume suitable data, if any.

1. Discuss main element of CIM system. Also describe the need for CIM and the issues addressed by CIM?   14

2. Discuss the need for standardisation in computer Graphics. Compare CORE and GKS graphics standards.   14

3. Discuss the difference editing commands available in CAD package? Also compare 2D and 3D wire frame model?   14

4. Discuss the principle of finite element modeling and analysis for optimization design of mechanical components?   14

5. a)   Describe salient features of CNC systems.   7
   b)   Discuss the advantages and disadvantages of NC systems?   7

6. What is the parametric programming and also describe the advantages of parametric programming in designing curves and surfaces?   14

7. Compare the different CIM models with particular reference to flow of information?   14

8. How does a network help design activity? Where a large number of engineers are involved? Also differentiate between LAN, MAN and WAN?   14

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