Roll No ....

ME-804 (GS)

B.E. VIII Semester

Examination, May 2018

Grading System (GS)

CAD/CAM/CIM

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Describe the need for CIM and the issues addresses by CIM.

   b) What is the difference between the MRP and MRP-II?

2. a) Compare CORE and GKS graphics standards.

   b) What is the need for standardization in CAD data? Discuss in brief.

3. a) What is the advantage of parametric modeling in designing curved surfaces?

   b) What is solid modeling? Discuss in brief the constructive solid geometry and boundary representation.

4. a) Differentiate the DNC with CNC machines.

   b) What are G and M Codes? Explain with examples.

5. a) Explain the concept of flexible manufacturing system.

   b) Discuss the computer aided process planning in brief.

6. a) Compare the splines for the same control points created by B-spline and Bezier spline techniques.

   b) What do you understand by the term rapid prototyping? Explain in brief. rgpvonline.com

7. a) Discuss the batch and job shop production system.

   b) What is part coding and classification? Explain in brief.

8. Write a short note on the following:

   a) Surface modeling

   b) CAE

   c) Adaptive control

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