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Roll No .....

**ME-804****B.E. VIII Semester**

Examination, June 2017

**CAD/CAM/CIM****Time : Three Hours****Maximum Marks : 70**

**Note:** i) Attempt any five questions.  
ii) All questions carry equal marks.

1. What is a CIM Wheel? Discuss its strengths and weaknesses as an elucidator of CIM's scope.
2. Explain the various stages of product life cycle with the importance of each stage.
3. Discuss the various coordinate systems used in computer graphics.
4. What are the various data exchange systems? Explain in brief.
5. What is non parametric representation of curves? What are their limitations?
6. What are the limitations in wire frame modeling? Explain with suitable example.
7. What are the following G functions for a machining centre?  
G17, G30, G81, G99

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8. Answer any four of the following:

- a) What is MRP?
- b) Compare CORE and GKS graphics standards.
- c) What is Rapid Prototyping?
- d) Differentiate NC and CNC machines.
- e) What are the benefits of FMS?
- f) State the importance of process planning in product development.

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