# MGM’S College of Engineering, NANDED.

**Department of Mechanical Engineering**

**QUESTION BANK FOR TEST-** **I**

ACADEMIC YEAR 2013-14, SEM – II

Class: T.E. (Mech.) Subject: **CAD/CAM/CIM** Date: 17/02/2014

Duration: 01 Hr. Max. Marks: 20

Q.1 Define CAD, CAM & CIM

Q.2 With a neat sketch explain product life cycle (conventional & with CAD/CAM)

Q.3 What is the correlation between Automation and CAD/CAM?

Q.4 Explain in detail mathematical model developed by Groover and Hughes

Q.5 What are the benefits (advantages) of CAD?

Q.6 What are the functions expected of geometric modeling (Need of solid modeling)?

Q.7 What are the properties desired of a geometric modeling system?

Q.8 Explain in detail wire frame modeling.

Q.9 Explain in detail surface modeling.

Q.10 Write a note on Sweep (Extrusion).

Q.11 Explain in detail Constructive Solid Geometry (CSG)/ (C-Rep).

Q.12 Explain in detail Boundary Representation (B-Rep).

Q.13 Discuss the advantages and disadvantages of B-Rep, CSG.

Q.14 Write a note on feature Based modeling.

Q.15 Write a note on spatial occupancy enumeration.

Q.16 Write a note on Pure Primitive Instancing.

\*\*\*Best of luck\*\*\*

**Subject Incharge**

**ABDUL REHMAN**