

**DIPLOMA IN MECHANICAL ENGINEERING
(DME)**

Term-End Examination

December, 2017

00212

BME-063 : CAD / CAM

Time : 2 hours

Maximum Marks : 70

*Note : Answer any **five** questions. All questions carry equal marks.*

1. What do you mean by the term coordination system in context of CAD ? Elaborate the difference between Database Coordinate System and Working Coordinate System. 14

2. Explain the Revolution and Sweep features of CAD with the help of suitable diagrams. 14

3. What do you mean by $2\frac{1}{2}$ D and 3D models ? Explain with suitable examples. 14

4. What do you mean by CAD models ? Discuss the CAD models in detail. 14

5. What do you mean by CAM ? Discuss its main advantages. 14
6. What is Flexible Manufacturing System ? What are its main components ? Also elaborate any two advantages of a flexible manufacturing system. 14
7. What is Inventory Control ? How have computers changed the way in which inventory control is done in modern day industries ? 14
8. Write short notes on the following : $4 \times 3 \frac{1}{2} = 14$
- (a) Automated Guided Vehicles (AGVs)
 - (b) Feedback System
 - (c) Decision Support System
 - (d) Part Programming
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