

**DIPLOMA IN MECHANICAL ENGINEERING
(DME)**

Term-End Examination

00793

June, 2018

BME-063 : CAD / CAM

Time : 2 hours

Maximum Marks : 70

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

1. What do you mean by the term CAM ? Explain the main components of CAM workstation. 14

2. Briefly elaborate the difference among Extension, Revolution and Sweep features in the context of CAD. 14

3. What do you mean by the terms Working Co-ordinates system (WCS) and Screw Coordinates System (SCS) ? 14

4. Explain in detail the role of robotic devices in the modern day manufacturing facilities. 14

5. What do you mean by the decision support system ? Explain. 14
6. What is CNC machine ? Explain and give details of the main components of a CNC machine. 14
7. What is inventory control ? Explain a simple computerized inventory control system. 14
8. Write short notes on the following : $4 \times 3 \frac{1}{2} = 14$
- (a) Automated Guide Vehicles (AGVs)
 - (b) Management Information System (MIS)
 - (c) 3-D Modelling in CAD
 - (d) Selective Inventory Management
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