

**DIPLOMA IN MECHANICAL ENGINEERING  
(DME)**

**Term-End Examination**

**December, 2014**

00735

**BME-055 : COMPUTER INTEGRATED  
MANUFACTURING**

*Time : 2 hours*

*Maximum Marks : 70*

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

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1. Discuss about the scope of Computer Integrated Manufacturing (CIM) and its application in industry. 10
2. Write about the three types of production systems with suitable examples. 10
3. Write about inspection and the types of inspection. Also write about the inspection procedure followed in CIM environment. 10
4. How are the robots classified ? Explain them briefly. 10
5. Explain briefly about the types of AS/RS. Write the advantages of AS/RS. 10

6. Explain the flow of operations in CIM with suitable diagram. 10
  7. Explain about the Automated Guided Vehicles (AGV) with components. 10
  8. Discuss the advantages of FMS over Conventional manufacturing system. 10
  9. What is automated material handling ? Also write its advantages. 10
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