

**DIPLOMA IN
MECHANICAL ENGINEERING(DME)**

Term-End Examination

December, 2012

**BME-055 : COMPUTER INTEGRATED
MANUFACTURING**

Time : 2 hours

Maximum Marks : 70

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

1. Discuss the following :
 - (a) Material Requirement Planning. 3
 - (b) Master Production Schedule. 4
 - (c) Computer Aided Design. 3

2. What are the different types of CAM application? 10
Briefly explain the same.

3. Discuss the various steps involved in inspection 10
procedure.

4. Briefly explain about the CMM operation and 10
programming.

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| 5. | Briefly explain about the types of AGVS. | 10 |
| 6. | Discuss the following: | |
| | (a) Point-to-point control ROBOT | 3 |
| | (b) Continuous path control ROBOT | 4 |
| | (c) Controlled path ROBOT | 3 |
| 7. | Briefly explain the various types of AS/RS. | 10 |
| 8. | Briefly explain the design of an AS/RS. | 10 |
| 9. | Briefly discuss the various types of flexibility. | 10 |
| 10. | Briefly explain the control of FMS system. | 10 |
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