No. of Printed Pages: 2

BME-055(S)

DIPLOMA IN MECHANICAL ENGINEERING (DME)

Term-End Examination December, 2016

BME-055(S): COMPUTER INTEGRATED MANUFACTURING

Time: 2 hours		hours Maximum Marks	Maximum Marks : 70	
Note: Attempt any seven questions. All questions carry equal marks.				
1.	-	lain Computer Integrated Manufacturing M). Discuss its applications and benefits.	10	
2.	exar	at is a production system? With suitable mples, describe three types of production ems.	10	
3.	Explain Flexible Manufacturing System (FMS). Describe the components of a flexible manufacturing system.			
4.	(a)	What are the different types of Inspection? Explain any one.	5	
	(b)	Explain Type-I and Type-II errors in the context of OC curves.	5	

5.	Name the different types of AGVs. Explain any four of them.			
6.	(a) What are the basic operations of AS/RS?	5		
	(b) Write the objectives to be achieved by installing AS/RS.	5		
7.	Define flexibility. Explain various types of flexibility in manufacturing.	10		
8.	Define scheduling. Describe the different dispatching rules.	10		
9.	Write short notes on any <i>two</i> of the following: 5+5			
	(a) Off-line and On-line Inspection			
	(b) MRP			
	(c) CAD and CAM			