GUJARAT TECHNOLOGICAL UNIVERSITY PDDC - SEMESTER-VIII • EXAMINATION – SUMMER • 2014

Subject Code: X 81903Date: 02-06-201Subject Name: CIM			2014
Time: 10:30 am - 01:00 pm Total Mar			: 70
1115014	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)		07 07
Q.2	(a)	Explain with suitable example open loop and close loop system for CNC machines	07
	(b)		07
	(b)	Discuss Adaptive control system and explain how it becomes very advantageous?	07
Q.3	(a)		07
	(b)	Explain one block of part program (assume dimension) that include turning operation on CNC lathe.	07
Q.3	(a)		07
	(b)	Explain one block of part program (assume dimension) that include multiple drilling on Machining centre	07
Q.4	(a)	What is group technology? Explain production flow analysis with suitable example	07
	(b)		07
Q.4		Explain retrieval type CAPP	07
	(b)	Explain shuttle type material handling system	07
Q.5	(a)		07
	(b)	Explain role of MRP-I in CIM OR	07
Q.5	(a) (b)	Discuss different robot configuration	07 07
