Registration no:													
Total Number of Pages: 01 M.TECH													
2 nd Sem M.Tech Regular/ Back Examination – 2014-15 SUBJECT NAME: COMPUTER INTEGRATED MANUFACTURING BRANCH(S): CAD / CAM Time: 3 Hours Max marks: 70 Q.CODE:T281 Answer Question No.1 which is compulsory and any five from the rest. The figures in the right hand margin indicate marks.													
Q1	a) b) c) d) e) f) g) h) i)	Answer the for Define Autom Give any two What are the What is a corn Describe the What are the What is the downard what are the What do you Explain about	benefits of benefi	lains of comp f FMS? on network f CAD? nents of etweet availab	lifferen outer ai vork? L o f a CIM n produ le for s ased fa	ded prin. ist its I syste act lay olving ctory i	cypes. m? out and proble nanage	planni d proc ms in ement	ng. ess la GT? and d	-			(2 x 10)
Q2	a) b)									es?	(5) (5)		
Q3	a)	Discuss the the advantag		import	ance o	f auto	mated	data (collect	tion s	ystems. What	are	(5)
	b)	Sketch a layo		ical FN	1S and	expla	n the i	mporta	ance (of FM	S.		(5)
Q4		might be of	assistance their us	to the	e desiç ss, an	ner. \ d wha	Vhat foat	eature :ures	s of o	compi limit	computational a uters are likely their applicat uct cycle.	y to	(10)
Q5	a) b)	What is Barco Explain mana					low it i	s help	ful in (CIM?			(5) (5)

Q6 a) How parts are classified and coded in Group Technology? Illustrates the same for a

Draw the CIM wheel and explain its different segments in relation to CIM scope?

How the CIM is differs from CAM? List some CIM hardware and CIM software?

What is an Industrial Robot? How the Robot is integrated in CIM system?

product. Explain briefly.

Answer any two.
a) Concurrent Engineering.

c) Part family formation.d) Network standards.

b) SQC and SPC

Q7 a)

Q8

(5)

(5)

(5)

(5)

 (5×2)