Registra	ation no:											
Total Nu	210 umber of Paç	ges: 02	210					210			210 <b>F</b>	B.Tech PEME5302
5 <sup>th</sup> Semester Regular / Back Examination 2016-17  CAD AND CAM  210  210  BRANCH(S): AERO, MECH 210  Time: 3 Hours  Max Marks: 70  Q.CODE: Y315  Answer Question No.1 which is compulsory and any five from the rest.  The figures in the right hand margin indicate marks.												
Q1 a) a) b) c) d) e) f) g) h) i)	Answer the Write the man PC. Give the ber What do you coordinate so What do you How are the What do you Draw the baw What is AGN Discuss the package. Describe value of the What is AGN Discuss the package.	ajor diffenefits of interpretation under systems? Under the Bezier of th	rences retegraterstand y para urves y tool leare of n brief various	ted Collins by metric different length CAD ly.	AD/CA fixed c repreent from comp softwater	M syst zero a sentation the censation re and mman	em. and floor of ubic son, ex explads av	geon spine plain ain its	g ze netric s? brief mail	ero in entition ly? n parts	NC es? 210	(2 x 10)
<b>Q2</b> <sup>210</sup>	What is a ge for the design		• .		-		e appl	licatio	on of	comp	uters	(2+8)
Q3 a)	A line is defined graphics system.	stem. Ex	press	the li	ne in i	`						(5)
210	(b) Scale	e the line e the orig e y directi	inal lin			r of 3.0	in th	e x d		on and	<sup>210</sup>	2

(c) Translate the original line by 2.0 units in the x direction and 2.0

**b)** What are the criteria for evaluation of CAD software? Discuss.

units in the y direction.

Dago

(5)

Q4	a)	What do you understand by geometric transformation? Explain any	(5)
210		three common transformations used in computer graphics.	
	b)	Discuss the different languages available? Explain about APT language.	(5)
Q5	a)	What are the different approaches in CAD graphics terminal? Explain about the graphics terminal.	(5)
210	b)	What do you mean by NC motion control system? Explain briefly.	(5)
Q6	a)	What are the functions of a DNC? Discuss the advantages over the CNC.	(5)
	b)	Differentiate between wire frame modeling and solid modeling.	(5)
Q <sup>240</sup>		What are the basic components of NC system? Describe them briefly.	(10)
Q8	a)	Write short answer on any TWO: Operation input devices	(5 x 2)
Q8	a) b)	<b>▼</b>	(5 x 2)
<b>Q8</b>	•	Operation input devices	(5 x 2)
	b)	Operation input devices  Adaptive control manufacturing system	(5 x 2)
	b) c)	Operation input devices  Adaptive control manufacturing system  Editing 210 210 210 210 210	(5 x 2)