[5+5]

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, March - 2017

day at the same at	CAD/CAM	Warch - 2017	
(Co	ommon to ME, AE, AME, MS	SNT)	
Part B consists of 5 Un	ch carries 25 marks. Answer al	l questions in Pa stion from each	art A. unit. Each
c) What is blending functiond) Write the parametric equale) Define the MCU,DPU, Cl	database and data structure n? ution of Surface of revolution LU in NC system d ACC type adaptive controller MRP ty control	S S	[2] [3] [2] [3] [2] [3] [2] [3] [2]:
Part- B (50 Marks)			
2.a) How CAD /CAM syster evaluation parameters dur b) What is automation? Expl			gorizing different
3.a) Compare the Bezier and E	3 spline curves and derive the p		
b) An ellipse wit semi major revolution passes through	ween the B spline and Coon's s r axis a=1 and semi minor axis center of the ellipse and lies in to obtain a surface revolution	s b=5 is o be ro the plane xy. R	tated, the axis of evolve this curve
	efly explain about the C rep mo linear sweep and rotational swe		p modeling. [5+5]
6.a) What are the major composition by What are the advantages programming.			ver manual part [5+5]

7.a) Briefly explain functions of CNC and DNC systems. b)

What are the four types of statement in APT langaguge?