Ro.	RO RO RO RO RO	
Code	No: 117BD	
	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD	r
	B. Tech IV Year I Semester Examinations, November/December - 2017	
	CAD/CAM	
T:	(Common to AE, AME, MSNT, ME)	ţ
Note:	This question paper contains two parts A and B.  Part A is compulsory which carries 25 marks. Answer all questions in Part A.  Part B consists of 5 Units. Answer any one full question from each unit. Each	
	question carries 10 marks and may have a, b, c as sub questions.	
	PART- A	•
TT\	(25 Marks)	<b>,</b>
1.a)	What are the computer peripherals of CAD?	
b)	What are the functions of Geometric Modelling in design? [3] What are the properties of B-spline curve? [2]	
c) d)		
e)		
f)		
	What are the various approaches available for CAPP?  What factors must be considered in selecting a classification and coding systems? [3]	
j)		
IJ	What are the inputs and outputs of FMS? [3]	
	위험생활성이 모양하는 사람이 하고 있었다. 하는 사람이 나는 사람은 사회 등을 받았다.	
	PART-B	
	(50 Marks)	,
2.a)	What are the requirements of geometric modeling?	
\ ( ) b)	Describe with the help of neat sketches the major surfaces entities provided by the	
	CAD/CAM systems. [5+5]	
3.a)	What is the most commonly used graphics terminal? Explain its working?	
b)	Define the cubic spline and bezier curves? Which of them is more popular in CAD and	
	Why? [5+5]	
	Explain the following terms in detail with respect to surface modelling?	
	b) Ruled Surface and	
	c) Composite surface. [10]	
	OR	
5.a)	Disitinguish between surface modelling and wire frame modelling in detail?	
b)	What is meant by sweep? Discuss in detail the various types of sweep techniques	<b>I</b> ************************************
H(0)	available for 3D geometric construction. [5+5]	



