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	de No: 117BD  JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD  B. Tech IV Year I Semester Examinations, November/December - 2017	
,	CAD/CAM	
	(Common to AE, AME, MSNT, ME)  ne: 3 Hours  te: 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.	A
	PART- A	
(1.a) b) c) d) e)	What are the functions of Geometric Modelling in design?  What are the properties of B-spline curve?  Distinguish between Algebraic and Geometric form of a curve.  What are M03, M30 codes stands for in NC Programming?  [2]	A
f) g) h) i) j)	What are the various approaches availiable for CAPP?  [2]  [2]	A
	PART-B	
△ (2.a) b)	1 ) i man 1 ) i man 1 i i man 1 i i i i i i i i i i i i i i i i i i	A
3.a)	What is the most commonly used graphics terminal? Explain its working?	
b)	Why? [5+5]	
4.	Explain the following terms in detail with respect to surface modelling?	A
	b) Ruled Surface and c) Composite surface. [10]	
5.a)	OR  Disitinguish between surface modelling and wire frame modelling in detail?	
AGb	What is meant by sweep? Discuss in detail the various types of sweep techniques available for 3Dgeometric construction.	A
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