Hal	l Tic	ket Number : R-15
Code: 5G562		
III B.Tech. II Semester Supplementary Examinations May / June 2024		
		CAD/CAM
		(Mechanical Engineering)
_		Narks: 70 Time: 3 Hours any five full questions by choosing one question from each unit (5x14 = 70 Marks)
Ans	wei	**************************************
		UNIT-I
1.		Elaborate Mainframe based CAD/CAM system with a neat sketch
		OR
2.		Describe the working of any five of the input devices and any two of the output devices used in CAD systems
_		UNIT-II
3.		Briefly explain the concept of various coordinate systems required for geometric display systems. Give examples.
		OR
4.		What do you understand by B-rep and C-rep approaches of solid modeling?
		Explain their relative merits and demerits.
		UNIT-III
5.	a)	Distinguish between Numerical Control and Computer Numerical Control.
	b)	Give a brief description of the CNC machining centre.
		OR
6.	a)	List out the basic elements of Numerical Control system
	b)	Discuss the salient features of machining centers.
		UNIT-IV
7.	a)	Describe machine cell design in group technology
	b)	Compare a process type layout and group technology layout for batch production of a simple component.
		OR
8.	a)	What are part families? What are the methods used for grouping of parts?
0.	,	Explain the part design and manufacturing attributes giving examples.
	b)	Explain the part design and mandiacturing attributes giving examples.
		LINIT V
0	٥,	UNIT-V Describe CIM benefits
9.	a)	
	b)	Compare MRP with MRP I
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Explain the application and advantages of integration of CAQC with CAD/CAM

10.

systems.

Page 1 of 1