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Total No. of Pages: 01

Total No. of Questions: 08

M.Tech.(CAD/CAM) (Sem.-2) COMPUTER INTEGRATED MANUFACTURING SYSTEM

Subject Code: ME-506 M.Code: 23510

Time: 3 Hrs. Max. Marks: 100

INSTRUCTION TO CANDIDATES:

- 1. Attempt any FIVE questions out of EIGHT questions.
- 2. Each question carries TWENTY marks.

1.	a)	What is a production system? Discuss the applications of computers in produsystem.	action 10
	b)	Discuss the need and advantages of CAD/CAM integration.	10
2.	a)	What is meant by flexibility? Discuss various types of flexibility desirab manufacturing system.	ole in 12
	b)	What is the role of networking in manufacturing environment?	8
3.	a)	What are the components of a FMS? Discuss the issues in design of FMS'?	12
	b)	How integration of different elements in CIMS is achieved?	8
4.		scuss the factors considered in design of AS/RS system. Also discuss the st licies for calculation of storage space.	orage 20
5.	a)	Discuss the application of GT in CAPP.	6
	b)	Discuss the rank order clustering technique of machine-part grouping 8 machines \times 8 components situation.	using 14
6.	a)	What are the different types of sensors used in automation 1? How are these integin CIMS?	grated 10
	b)	"Concurrent engineering can help in improving the product quality productivity". Comment on this statement.	and 10
7.	a)	Discuss the use of computers in shop floor control.	12
	b)	What are the issues in use of rapid prototyping technologies?	8
8.	Dis	scuss the MIS for a CIMS environment.	20

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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