Total No. of Printed Pages:2

SUBJECT CODE NO:- H-1711 FACULTY OF SCIENCE AND TECHNOLOGY

M.E. (Mechanical)

Elective-IV: Computer Integrated Manufacturing (REVISED)

		(REVISED)	5 1 5 S
[Time:	Three	Hours] [Max. Ma	rks: 80]
N.B		Please check whether you have got the right question paper. 1. Solve any three questions from each section. 2. Figures to the right indicate full marks. 3. Assume suitable data wherever necessary and state it correctly.	
		Section A	
Q.1	,	What is CIM? Explain in detail. What in manufacturing automation protocol?	07 06
Q.2	a) b)	What is Group Technology (G.T)? What are part families? How they are classified and coded?	07 06
Q.3	a) b)	Discuss the two approaches to computer aided process planning (CAPP). What is cellular manufacturing?	07 06
Q.4	What is Flexible Manufacturing System (FMS)? Discuss it components, types, layout and material handling and storage systems.		ial 13
Q.5	a) b)	short notes on: (any two) OPITZ coding system Role of process planning in CAD/CAM integration Bar Code Technology	14
		Section B	
Q.6		What are system modeling tools? Explain activity cycle diagram.	07 06
Q.7	/ O / / . / .	What are automated data collection systems? What is CIM implementation software?	07 06
Q.8		Explain Product Data Management. What is Local Area Network (LAN)?	07 06
Q.9	a) b)	Discuss the advantages of database and relational database. Explain database terminology.	07 06
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Q.10 Write short notes on: (any two) a) IDEF models

- b) CIMOSA
- c) MAP/TOP

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