EXAMINATION MAY/JUNE 2018
SUBJECT CODE NO: H-1711
FACULTY OF ENGINEERING AND TECHNOLOGY
M.E. (Mechanical)
Elective-IV: Computer Integrated Manufacturing
(REVISED)

[Time: Three Hours]   **[Max.Marks: 80]**

Please check whether you have got the right question paper.
N.B
    i)   Attempt <u>any three</u> question <u>from each section</u>
    ii)   Draw neat sketches whenever required
    iii) Assume additional data if necessary

Section A

Q.1	a)	What is CIM? What are dedicated software's?	07
	b)	How CIM and marketing engineering are related?	06
Q.2	a)	How CIM and physical distribution of resources are connected with each other?	06
	b)	What is the role of G.T. in CAD/CAM integration?	07
Q.3	a)	Describe DCLASS & MICLASS coding system.	07
	b)	State and explain benefits of G.T.	06
Q.4	a)	What is CAPP? Explain variant process planning	07
	b)	Describe cellular manufacturing	06

Q.5 Write short note on (<u>any two</u>)   14
    a) CMPP
    b) Shop floor control
    c) Islands of automation

Section B

Q.6	a)	What are components of FMS?	07
	b)	What is carousal material Handling system?	06
Q.7	a)	What is automated data collection? How is it related to CIM?	07
	b)	In case of CIM implementation, how company strategy is important	06
Q.8	a)	Explain product data management with reference to CIM architecture	07
	b)	Explain LAN topology.	06
Q.9	a)	What is open system? Explain open system interconnection.	07
	b)	Describe architecture of database system	06

Q.10 Write notes (<u>any two</u>)   14
    a) MAP/TOP
    b) RDBMS
    c) CIMOSA

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