

SUBJECT CODE :- 8124
FACULTY OF ENGINEERING AND TECHNOLOGY
M.E.(Mechanical) Examination Nov/Dec 2015
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 any three questions from each section.
 - ii) Assume suitable data, if necessary.
 - iii) Use of non-programmable calculator is allowed

Section A

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|-----|-------------------------------------------------------------------------------------------|----|
| Q.1 | What is CIM? How CIM is evolved? State its benefits | 13 |
| Q.2 | Describe CIM wheel. How technology is involved in CIM | 13 |
| Q.3 | How marketing engineering , production planning and plant operations are related with CIM | 13 |
| Q.4 | What is group technology? How GT is related to CIM ?describe with an example | 13 |
| Q.5 | Write short notes (any two) | 14 |
| | a) D C L A S S b) C A P P c) F M S | |

Section-B

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| Q.6 | What is shop floor control? How it affects on the performance of CIM | 13 |
| Q.7 | How CIM implementation and data communication are inter-related? | 13 |
| Q.8 | What is LAN? What is topology in LAN? Explain LAN Implementation | 13 |
| Q.9 | Explain in detail manufacturing automations protocol and technical office protocol (MAP/TOP) | 13 |
| Q.10 | Write Notes on (Any two) | 14 |
| | a. CIMOSA | |
| | b. CIM Architecture | |
| | c. Database for CIM | |