

Government College of Engineering, Aurangabad
(An Autonomous Institute of Government of Maharashtra)

M. E. (Production) Examination

End Semester Examination NOV 2016

1.9 NOV 2016

ME 587 Computer Integrated Manufacturing (REV)

Time: Three Hours

Max. Marks: 60

“Verify the Course Code and check whether you have got the correct question paper”

N.B:-

- 1. All questions are compulsory*
- 2. Figures to the right indicate full marks*
- 3. Assume suitable data if necessary and state it clearly*
- 4. Use of non-programmable calculator is allowed*

1) Attempt any two

[12]

- 1) Discuss basic advantages of fiber optics cable
- 2) Trace evolution of CIM
- 3) Explain the classification of database according to Embold and Dillmann

2) Attempt any two

[12]

- 1) Explain the principle of Artificial intelligence
- 2) What is CIM wheel? discuss its strength and weakness as an elucidator
- 3) A company wants to manufacture refrigerator list 10 important data and differentiate between product data and production data

3) Attempt any two

[12]

- 1) State advantages of palletisation in CIM material handling
- 2) Explain the three levels of vehicle control in AGV
- 3) Describe the elements of LAN

4) Attempt any two

[12]

- 1) Explain the role of CMM in CIM
- 2) Explain Map/TOP
- 3) Briefly discuss various benefits of implementing Group Technology

5) Attempt any two

[12]

- 1) Explain difference between logical and physical view of data stored in data base
- 2) List features of RDBMS
- 3) Explain the role of communication matrix in highlighting then communication needs of CIM