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C09-M-604

3782

**BOARD DIPLOMA EXAMINATION, (C-09)
OCT/NOV—2018
DME—SIXTH SEMESTER EXAMINATION**

CAD/CAM

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

- Instructions** : (1) Answer **all** questions.
(2) Each question carries **three** marks.
(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. Define CAM.
2. List out any four functions of CAD.
3. List out any four output devices.
4. List out any four advantages of NC machines.
5. Define DNC.
6. List out any four advantages of DNC.
7. What is meant by tool compensation?
8. What is the purpose of auxiliary statements?

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1

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9. Define CIM.*

10. What are the features of CIM?

PART—B

10×5=50

Instructions : (1) Answer *any five* questions.

(2) Each question carries **ten** marks.

(3) The answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Explain any two input devices in detail.

12. Define computer integrated production system and list out the advantages of it.

13. Explain about various spindle drives used in CNC machines.

14. Explain the automatic tool changers.

15. Explain linear interpolation and circular interpolation giving one example of each.

16. What short notes on (a) MACROS, and (b) canned cycles.

17. What are the components of FMS? Explain them.

18. What is the role of robots in CIM?
