

CT Inst. of Engg., M

Roll No.

Total No. of Pages : 2

Total No. of Questions : 09

B.Tech. (IE-2008 & Onward Batches / ME) (Sem.-7,8)

CAD/CAM

Subject Code : ME-404

Paper ID : [A0839]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

SECTION-A

1. Write short notes on :

- i) USB Devices
- ii) Operating Systems
- iii) GPU
- iv) BLU
- v) Surface model
- vi) B-Spline curves
- vii) LCD Monitor
- viii) SDRAM
- ix) FMS
- x) IGES

SECTION-B

2. Write a short note on composite transformation. Which order of transformation is important?
3. List the most commonly desired features of a CAD package with example, which a user must look while purchasing five well known CAD packages.
4. List the various factors which one must consider while selecting CAD/CAM in a medium scale industry. Also explain which factor is going to have direct impact.
5. What is meant by concept of Group Technology? Explain its coding scheme with the help of an example.
6. Write a brief note on the structure of a CNC Machine. List the programming languages used for its programming.

SECTION-C

7. List various hidden line removal algorithms. Explain any one in complete detail.
8. Explain the major shift which the computerization of Process Planning and Control methodology with the help of an example.
9. Write a brief note on CIMS. What role FMS plays in it? How has it been implemented?

