Code No: 9A03602/R09

B.Tech. III Year II Semester Regular & Supplementary Examinations

Set-2

April/May - 2013

CAD/CAM

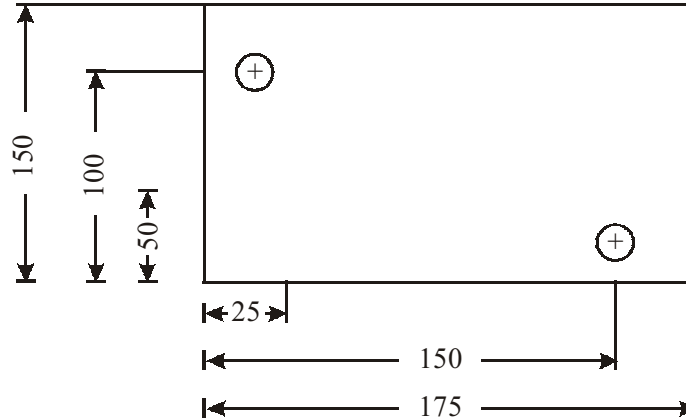**(Common to ME & MCT)**

Time: 3 Hours | Max. Marks: 70

*Answer any **FIVE** Questions*

*All Questions carry **Equal** Marks*

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1. What is a design work station? Explain various components of it with a block diagram.

2. A rectangle has corner co-ordinates (10, 20), (40, 20), (40, 40), (10, 40). The rectangle is rotated by 45° anticlockwise about,

    (a) Origin and

    (b) About the point (40, 20).

    Compute the new co-ordinates in both cases.

3. What is solid modeling? Discuss various approaches to solid modeling and its methodology.

4. Write a NC computer aided part program for the part given below for drilling operation by making suitable assumptions required for machining.

All dimensions are in mm

5. Explain the principles of group technology. When is it appropriate to go for group technology? What are its advantages?

6. Discuss the role of human labor in manufacturing systems.

7. With a block diagram, explain shop floor control in an automated factory in detail.

8. How is traditional quality control different from computer aided quality control? Discuss.