



**ME 304 (AE 304)**

**III Semester Diploma (Mechanical/Automobile) Examination, February 2011**  
**MACHINE DRAWING**

Time : 3 Hours

Max. Marks : 75

**Instructions :** 1) Answer **all** questions in Part – A, answer **all** questions in Part – B and answer **all** questions in Part – C.  
2) **Each** question carries **1** (one) mark in Part – A, **6** (six) marks in Part – B and **30** (thirty) marks in Part – C.

**PART – A**

**(15×1=15)**

1. Sketch the view of a offset section.
2. What is the use of the sectional view ?
3. What is the symbol for force fit ? Give example.
4. What is the symbol for normal running fit ? Give example.
5. Write the surface roughness grades recommended by BIS.
6. What is surface roughness number ?
7. Write the proportions of the Hexagonal nut.
8. What is pitch ?
9. What is the use of trim command ?
10. What is the use of fillet command ?
11. Where are multistate threads used ?
12. What command is used to constrain the line drawn horizontal and vertical direction only ?
13. Which letter is used to indicate metric thread ?
14. What is the functional key used for “OSNAP” command ?
15. What is the use of copy command ?

**P.T.O.**



## PART – B

(5×6=30)

16. What is half section ?
17. Draw any six geometrical characteristic symbols.
18. Sketch any three symbols used to indicate the direction of lay.
19. Sketch a square thread.
20. Sketch the whit worth thread.

## PART – C

Draw the following views in a given drawing sheet.

30

The details of a drawing are given. Assemble and draw front view and top view.

