

Machine Drawing
(ME-205/207, Dec 2006)

Time: 4 Hrs

Max Marks: 60

Note: Section A is compulsory. Attempt any four questions from Section B and two from Section C.

Section-A

1. (a) Give the classification of fits with symbols.
(b) Sketch the weld symbols to indicate weld all round.
(c) Name the various types of square threads.
(d) Classify various types of coupling.
(e) What is the advantage of Oldham's coupling?
(f) What is the function of non return valve?
(g) Why square threads are preferred in screw threads?
(h) Draw machining symbols for surface removal.
(i) Write the application of plumber block.
(j) What is function of connecting rod?

Section-B

2. What are the various types of V-threads? Give basic profile of V-threads.
3. Give simple sketch of flanged pipe joint.
4. What is the function of bushed bearing? Draw the simple sketch of swivel bearing.
5. Write the function of clutch. Show simple sketch of tree jaw claw clutch.
6. Draw simple sketch to show big end and small end of connecting rod.

Section-C

7. Fig shows the detail of expansion joint, mention the parts and draw the front view lower half in section.

Fig.

8. Fig shows the detail of lathe tail stock, assemble the part and draw the following views
 - (a) Front view half in section
 - (b) Right side end view

Fig.

9. Fig. shows the blow off cock. Draw the following views of
 - (a) Front view right half in section
 - (b) Top view

Fig.