

Machine Drawing
(ME-205/207, May 2007)

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) Define drawing.
(b) What is the difference between engineering drawing and artistic drawing?
(c) Draw any five symbols of welding joints.
(d) Write application of coupling.
(e) What do you mean by basic size?
(f) Differentiate between v-thread and square thread.
(g) Show various methods of dimensioning the circle.
(h) Draw any thread with nomenclature.
(i) Name various boilers mountings.
(j) Give various types of fits and symbols.

Section-B

2. Make a proportionate sketch of pin type flexible coupling.
3. What is the function of steam stop valve and give simple sketch.
4. Draw the simple sketch of piston.
5. Draw the simple sketch of plumber blocks and mention its parts.
6. Sketch free hand the sectional view of spigot and sockets joint in pipe fittings.

Section-C

7. Fig.1 shows the detail of screw jack; draw the following views of the assembly.
 - (a) Front view right in section
 - (b) Top view
8. From the orthographic detail of Fig.2 of two jaw clutch, draw following views.
 - (a) Front view full in section
 - (b) Right end view

Fig.1

Fig.2

9. Details of swivel bearing are shown in fig.3, assemble the part and draw.
 - (a) Front view
 - (b) Right half in section

Fig.3.