

SoE III / Mech / Machine Drawing

mT-F-1stHf : 509

Con. 3034-10.

AN-2437

(4 Hours)

[Total Marks : 100

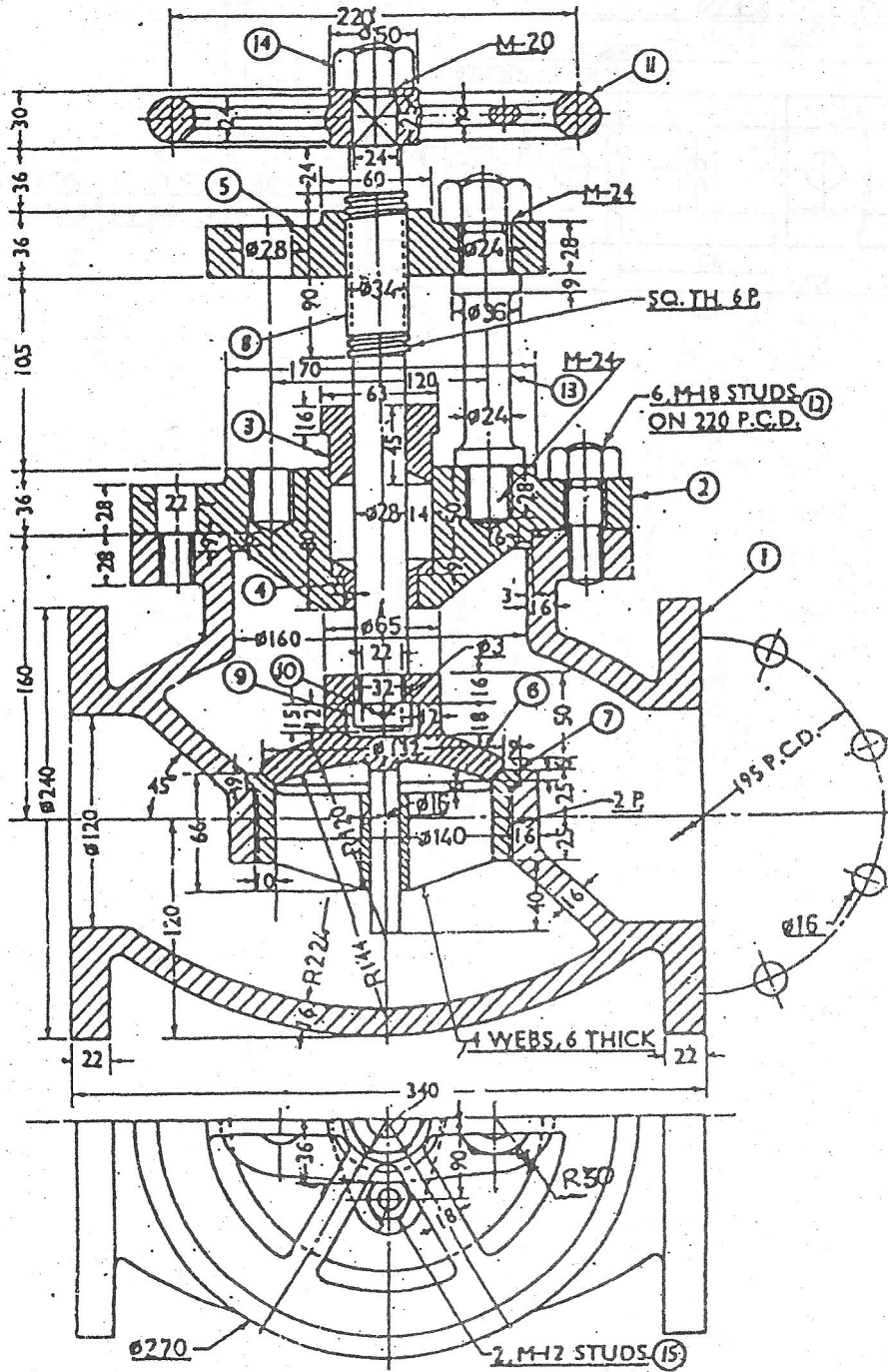
- N.B.** (1) Question No. 1 is **compulsory**.
(2) Attempt any **four** questions from remaining.
(3) Assume **suitable** dimension wherever **necessary**.
(4) Use **drawing sheet** only.

1. (a) A vertical cone of base diameter 90 mm and 100 mm height has an axial triangular hole of 50 mm side cut through it one of the faces of the hole is parallel to V.P. and nearer to it. Draw front view, top and side view, showing curves of intersection. 10
- (b) A square prism with side of base 40 mm and height 70 mm is kept on the H.P. on its base, with two vertical faces making 20° with V.P. A cylinder of diameter 40 mm penetrates completely through the prism, in such a way, that the axis of the cylinder is parallel to V.P. and bisect the axis of the prism at right angle. Draw the F.V., T.V. and S.V. Showing the curve of intersection. 10

2. Figure shows assembly of stop valve. Draw the following details :—

- (a) Cover (Part No. 2) : (i) Sectional front view
(ii) Top view.
- (b) Valve seat (Part No. 7) : (i) Sectional front view
(ii) Top view.
- (c) Bridge (Part No. 5) : (i) Sectional front view
(ii) Top view.

6
4
3
2
3
2



Stop valve

[TURN OVER

3. Figure shows details of plummer block OR Pedestal Bearing. Assemble the part and draw the following views :—

- (a) Left Half Sectional Front View
- (b) Top View.

12
8

