

|  | having its base on the H.P. and an edge of the base parallel to the V.P. Also draw its side view. |  |  |
| :---: | :---: | :---: | :---: |
| 8 | A cube of 40 mm side is cut by a horizontal section plane, parallel to H.P at a distance of 15 mm from the top end. Draw the sectional top view and front view | 10 M | CO3 |
| 9 | A square prism, base 40 mm side and height 60 mm , has its axis inclined at $45^{0}$ to the H.P, has an edge of its base, on the H.P, and inclined at $30^{\circ}$ to the V.P. Draw its projections <br> OR <br> The length of the top view of a straight line AB parallel to VP and inclined at $45^{\circ}$ to HP measures 55 mm . Its end $A$ is 8 mm above HP and 20 mm in front of VP. Draw the projections and determine the true length of the line $A B$. | 10 M $10 \mathrm{M}$ | $\mathrm{CO} 2$ CO4 |
| $\begin{gathered} \text { SECTION-C } \\ \text { (2Qx20M=40 Marks) } \\ \hline \end{gathered}$ |  |  |  |
| 10 | A square prism, base 40 mm side, axis 80 mm long, has its base on the H.P. and its faces equally inclined to the V.P. It is cut by a plane, perpendicular to the V.P., inclined at $60^{\circ}$ to the H.P. and passing through a point on the axis, 55 mm above the H.P. Draw its front view, sectional top view and another top vievv on an A.I.P. parallel to the section plane. | 20 M | CO4 |
| 11 | The projection of the ends of a line KL are 65 mm apart, end K is 20 mm above HP and 25 mm in front of VP. End L is 15 mm below HP and 40 mm behind VP. Determine its true length, and inclination of the line with two reference planes. <br> OR <br> A cylindrical block of base, 60 mm diameter and height 90 mm , standing on the H. P. with its axis perpendicular to the H. P. Draw its isometric view. | 20 M | CO4 |

