A1105

Pages:2



- Draw an isometric view of a frustum of a cone 25mm top diameter and 40mm bottom diameter and 50mm high placed centrally above a cylindrical block of 50mm diameter and 25mm thick such that the solids have a common axis.
  - Draw front view, top view and any one side view of the following figure, F is the front view direction.



(10)

(10)

(10)

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CE, EC, EE, MR

A square prism of 40 mm side length and 60 mm height rests on its base upon HP, such that the vertical faces are equally inclined to VP. A horizontal hole 40 mm diameter is drilled through the geometrical centre of the prism with the axis perpendicular to VP. Develop the lateral surface of the prism.

A vertical cylinder of height 70mm and base circle diameter 60mm is resting on (10)the ground on its base and a horizontal cylinder of base 40mm diameter and axis

7

length 80mm penetrates the vertical cylinder by bisecting the axes at right angles to each other. Draw the projection of the solids showing the curve of intersection. A pentagonal pyramid axis length 50mm and base edge 25mm is resting on GP on its base. One of the base edges which is nearer to PP is parallel to it and 15mm behind it. The SP is 65mm above GP and 40mm in front of PP. Draw the perspective view of the pyramid if the axis is lying on the central plane and the pyramid is completely behind the PP.

(10)

8