

QUESTION 4: MECHANICAL DRAWING

GIVEN:

- An isometric view of the casting.
- The arrow indicating the direction for drawing the front view.
- The front view, right view and top view of a casting in third-angle-orthographic-projection.
- An incomplete top view on page 31

INSTRUCTIONS:

Answer this question on page 31.

Draw to scale 1:1 and in third-angle orthographic projection the following views of the casting.

1. A section front view seen from the direction of the arrow as indicated on the isometric drawing. Use cutting plane A - A. Show all hidden detail.
2. Complete the top view by showing all hidden detail.
3. A left view. Show all hidden detail.

Note:

- Plan the start position carefully
- This drawing must comply with the SANS 10111 guidelines

Show the following on the drawing:

- The section line A - A in the top view
- The correct symbol of projection used for this drawing in the given space.
- Between 5 mm guide lines, insert the title and scale of the drawing in the given title block.

CASTING
SCALE 1 : 1

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