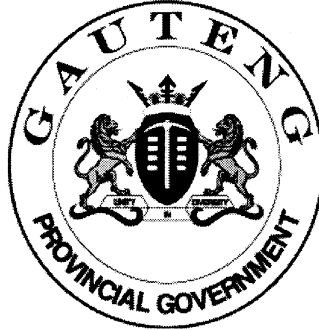


# SENIOR CERTIFICATE EXAMINATION



**FEBRUARY / MARCH  
2007**

**WOODWORK**

**SG**

**First Paper**

**Drawing**

**720-2/1 E**

**WOODWORK SG: Paper 1  
Question Paper & Answer Book**

**7 pages**



**720 2 1E**

**SG**

**X05**



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**GAUTENG DEPARTMENT OF EDUCATION**  
**SENIOR CERTIFICATE EXAMINATION**

**WOODWORK SG**  
**(First Paper: Drawing)**

**TIME: 3 hours**

**MARKS: 100**

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**REQUIREMENTS:**

- Drawing Answer Book (720-2X) containing three A3 answer sheets

**INSTRUCTIONS:**

- The examination paper consists of FOUR questions.
  - All the questions are COMPULSORY.
  - On completion of the examination, staple your answer sheets in numerical order in the top left corner.
  - Your examination number must be entered in the bottom left-hand corner of each answer sheet.
  - Use your own judgement where dimensions and/or details have been omitted.
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**QUESTION 1**

**Figure 1** on page 5 of this examination paper shows an isometric view of a **paperweight**. The triangular prism is placed in the middle of the hexagonal prism.

- 1.1 Draw, to a scale of 1:1, in **third-angle orthographic projection**, the front view, top view and left view in the space provided on page 2 of the Answer Book (720-2X).
- 1.2 Show the following measurements on the front view:
  - (a) The height of the triangular prism
  - (b) The thickness of the hexagonal prism
  - (c) The length of the hexagonal prism
- 1.3 Show the projection symbol. [18]

**QUESTION 2**

**Figure 2** on page 2 of the Answer Book shows, in first-angle orthographic projection, the front view and top view of a **napkin ring**.

On page 2 of the Answer Book project, measure and draw an **auxiliary view** as seen in the direction of arrow **P** on the auxiliary vertical plane. [12]

**QUESTION 3**

**Figure 3** on page 6 of this examination paper shows the front view, top view and left view of a **haunched mortice and tenon joint with groove** in first-angle orthographic projection.

- 3.1 Draw, to a scale of 1:1, on page 3 of the Answer Book, **an isometric view** of the parts **A** and **B** apart from each other but in a position to be joined on the isometric axes.
- 3.2 Show the hidden details on part **A**.
- 3.3 The parts must not overlap.
- 3.4 Use corner **C** for the placing of part **A**. See Answer Sheet page 3. [35]

## QUESTION 4

**Figure 4** on page 7 of this examination paper shows an isometric view of a **cabinet**.

Additional information:

- **The cabinet body:**
  - All the rails are 60 mm wide and 30 mm thick.
  - The panels on the sides and back are 10 mm thick and fit into a 15 mm deep groove.
  - The top rail (above the drawer), drawer rail (below the drawer), top kicker and drawer guide are 45 mm wide and 25 mm thick.
  - The bottom shelf is 25 mm thick.
  - The top is 30 mm thick and has an overhang of 30 mm to the front and sides.
- **The drawer:**
  - The drawer fits into the opening above the doors.
  - The depth of the drawer equals the depth of the cabinet.
  - The front is 25 mm thick.
  - The sides and back are 15 mm thick.
  - The back is 20 mm lower than the sides.
  - The bottom, which is 5 mm thick, fits into a groove and runs the whole length of the drawer.
- **The doors:**
  - The rails and stiles are 60 mm wide and 30 mm thick.
  - The plywood panels are 10 mm thick and fit into 15 mm deep grooves.

To a scale of 1:5, draw in first-angle orthographic projection on page 4 or the Answer Book,

- 4.1 the front view.
- 4.2 the sectional left view on cutting plane **Y – Y**, with the drawer and door in the closed position.

[35]

**TOTAL:** 100

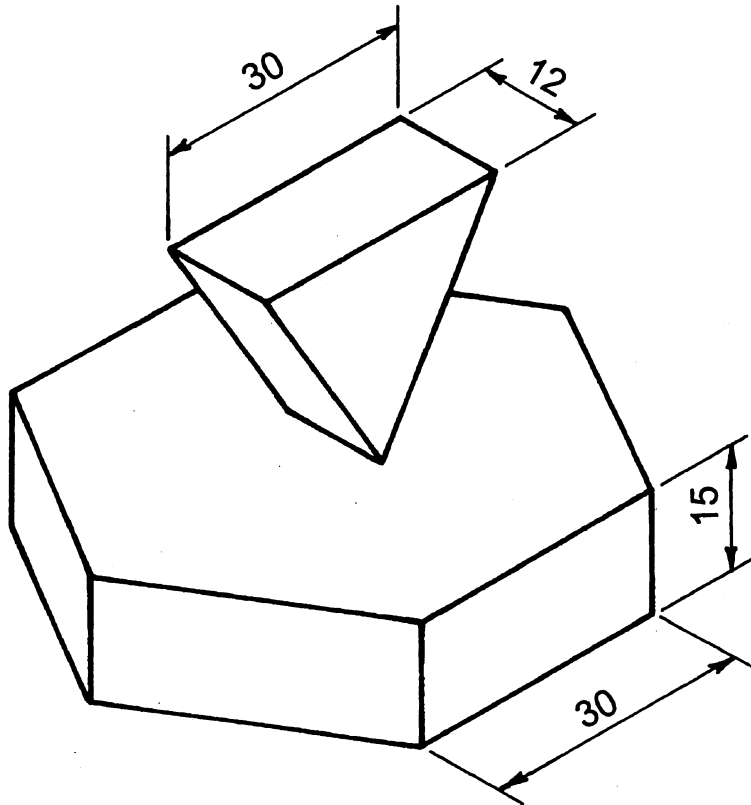


FIG. 1	PAPER WEIGHT PAPIERGEWIG	
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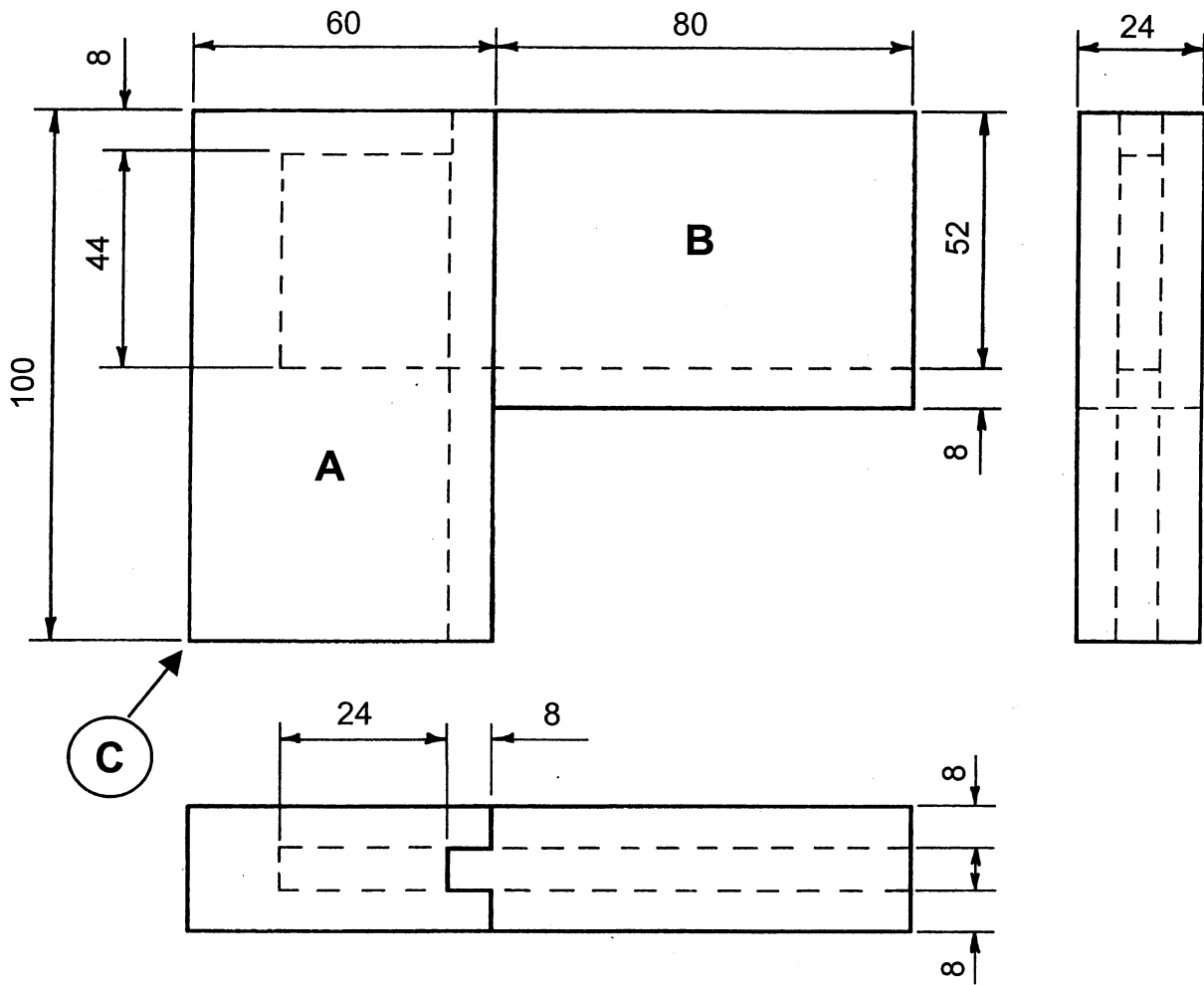


FIG. 3	JOINT VOEG	
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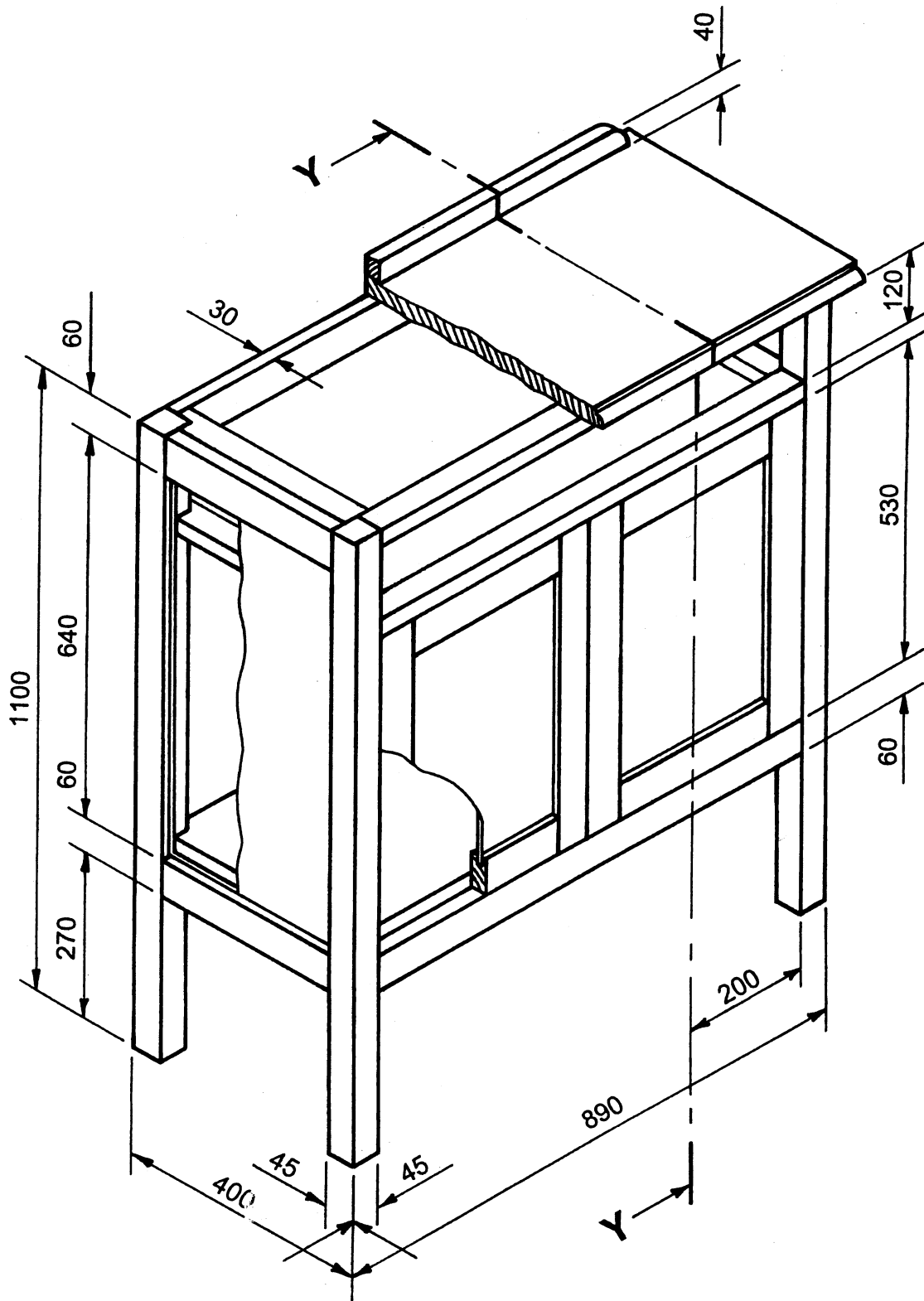


FIG. 4

CABINET  
KABINET