

# WOODWORK

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## GCE Ordinary Level

<p>Paper 6030/01 Theory, Drawing and Design</p>
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### General comments

Most of the candidates made an excellent attempt at answering each of the parts of the examination paper.

There were several candidates who produced excellent responses to the drawing and design sections.

There were no really poor responses to this year's examination.

### Comments on specific questions

#### *Section I*

#### *Part A*

#### **Question 1**

- (a)(i) Few candidates answered with butt joint.
- (ii) Some candidates named groove in this part.
- (iii) No candidates gave tongue and groove in this part.
- (iv) Most candidates gave the correct names.
- (b) This part was generally well answered, although some candidates gave general safety rules, rather than specific rules to do with the drilling machine.
- (c) Few candidates were able to identify the defects in Fig. 2.
- (d)(i) Some candidates had good understanding of the type of board and the use of each.
- (ii) Only a few candidates were able to identify that the term manufactured board means man made.
- (e)(i) Most candidates were able to identify the chisels.
- (ii) Several candidates gave the angles in the wrong order.
- (f) Little knowledge of the wood lathe was given.
- (g)(i) This was often named correctly.
- (ii) Only a few candidates named this correctly.

#### *Part B*

#### **Question 2**

Those candidates who attempted this question gave good responses to the marking out of the joint and limited detail of the cutting out.

### **Question 3**

This question was quite popular.

- (a) This was often called conversion, rather than felling.
- (b) This part was well answered.
- (c)(d) These parts were also well answered.
- (e) Most of the candidates who attempted this part of the question produced really detailed answers.

### **Question 4**

This was quite a popular question.

### **Question 5**

This question was not attempted by any candidates.

## ***Section II***

### *Part C*

There were some excellent sketches for this Drawing and Design section. A few sketches were not half full size. This year most were freehand as the instruction implied.

### *Part D*

All candidates made a really good attempt at all three views. There were a few excellent examples of 1<sup>st</sup> Angle Orthographic.

There were only a few samples of excellent dimensioning.

Most candidates laid out the titles and gave either the symbol or the correct name of projection.

## **Conclusion**

Time was well used, with most candidates attempting all of the paper.

The rubric was obviously understood by the candidates.

**Paper 6030/02**

**Practical**

## **General comments**

**Note:** This report is based on the marking of very few candidates' work.

All candidates completed the test piece and the working drawings were correctly followed and understood. However, a number of lengths were incorrect. Toolwork generally was good, but accuracy suffered by the frequent use of pencil for shoulder lines rather than marking knives. Candidates were asked to lightly clean off their finished pieces with a finely set smoothing plane, this was poorly attempted, but where done greatly enhanced the finished project.

### Comments on specific questions

**(a)** Dovetail Joint between **Parts A** and **B**

The joint was completed by all candidates to a satisfactory standard whilst in some cases the results were excellent, the accuracy of marking out, cutting both tails and pins, toolwork and final fit was to be highly commended.

**(b)** Mortice and Tenon Joint between **Parts C** and **B**

Completed by all candidates to a good standard, the tenons fitted their mortices with a good degree of accuracy. The sides of the tenons and shoulders were cleanly cut and mortices showed few toolwork errors. Here the use of marking knives for shoulder lines, instead of pencil, would have greatly improved both accuracy and quality of the completed joint.

**(c)** Shaping **Part B**

The shaping of **Part B**, the base of the bookend, was completed to a good standard by all candidates. The shape was accurately marked out and the sides planed with the grain in most cases. The added chamfers were of the correct size but often not stopped where **Part B** joined **Part A** as shown in the working drawing.

**(d)** Shaping **Part C**

The shaping of **Part C**, the support for the base and side of the bookend, was accurately marked out and sawn and planed to size; the added chamfers were less well done, especially on the short length at the top of the support.

**(e)** Shaping **Part A**

The candidates were asked to design a shape for the back of the bookend to complete the overall design. Most candidates produced a satisfactory solution to this part, ranging through a simple curve at the top, corners rounded off and echoing the tapered shape of the base. Candidates demonstrated the appropriate use of spokeshaves for this task where required.

**(f)** Screws were accurately positioned and inserted, showing the correct procedure, including a clearance hole and countersinking in **Part A**.