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## FOREWORD

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This booklet contains reports written by Examiners on the work of candidates in certain papers. **Its contents are primarily for the information of the subject teachers concerned.**

# WOODWORK

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## GCE Ordinary Level

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

Single Centre entry this year. The performance of candidates matched that of recent years. Range of marks from high thirties up towards 80. All candidates attempted all parts of the Paper. **Section I Part A** was very well answered. Some candidates still struggle to answer the theory questions in **Section I Part B**. However, there were some high quality answers at **Question 4** of this section, with some candidates gaining maximum marks. **Section II** was well drawn in the majority of cases, with some excellent responses. Candidates obviously understand the format of the examinations.

### Comments on specific questions

#### **Section I**

##### *Part A*

#### **Question 1**

- (a) Some answered all 4 joints correctly. Most were able to identify the dovetail at **(ii)** and the mortice and tenon at **(iii)**.
- (b) Only a few candidates correctly named both tools and gave an appropriate use.
- (c) Most answered correctly with appropriate rules for use of a chisel and drilling machine.
- (d) Few answered this question about fixings well. Most correct with countersunk head screw and wire nail.
- (e) Several good answers to this question with a name and use for each.
- (f) Only a few candidates were able to name all three bits.

##### *Part B*

#### **Question 2**

Few attempts at this question.

#### **Question 3**

2nd most popular question. Good naming of the chisel at **(a)** and several detailed answers to grinding and sharpening the edge.

#### **Question 4**

Most popular question with several gaining full marks. Some of these gave answers which would be worth far more than the marks available.

## Question 5

No attempts at this question - perhaps because it is on the back of the sheet.

## Section II

### *Drawing and design*

Both **Parts C** and **D** were well drawn. At the upper end there were some excellent examples of draughtsmanship.

### **Part C**

- (i) There seemed to be limited knowledge of edging a manufactured board for the top of the desk.
- (ii) Some very good handles drawn for the drawer.
- (iii) Some excellent joints drawn.

### **Part D**

- (a) The majority of candidates drew the orthographic projections very well. Drawings were accurate and all were drawn to the correct scale.
- (b) Most were well dimensioned.
- (c) Printing and layout were very good.

## Conclusion

Candidates all seemed to understand the format of the examination. They all completed the examination with some giving rather brief answers to **Section I Part B**.

**Paper 6030/02**

**Practical**

## General comments

These comments are made on the basis of work seen from only one Centre, consisting of just 11 candidates.

The test piece was finished by all candidates having correctly understood and followed the working drawings. Initial preparation of the material was accurately completed. The specified instruction to the candidates to lightly clean up their finished pieces was evident in the final piece and enhanced the quality of their work. Centres should note that they are required to provide their candidates with a mild, straight grained, working hardwood; some used are very hard and put candidates at a disadvantage.

## Comments on specific questions

### **Assembly, finish and dimensioning**

Finish was generally improved compared with previous years, as a result of stating the requirements within the instructions to candidates. Setting out and positioning of joints was accurate, but the upright (**Part B**) was usually left any length but the one required.

### **Bridle joint**

The Bridle joint was accurately marked out, cut and fitted well. There was evidence of the correct use of the mortice gauge in marking out, but work could be improved by the use of a marking knife for shoulders rather than a pencil. Sides were sawn parallel and shoulders cleaned up accurately. End grain showed evidence of plucking, mainly due to unsuitable hardwoods being used, and would only be successful with the sharpest of chisels.

### **Mortice and tenon joint**

Completed to a good standard by most candidates. The tool work on both parts was accurately completed. The correct use of tools was evident on both parts, but the use of a marking knife for shoulder lines would have contributed to greater accuracy.

### **Shaping**

Accurately marked out and completed by most candidates. The curve was poorly finished, showing chattering from the use of the spokeshave, this could have been avoided had a milder working hardwood been used.

### **Unspecified joints for Part D to A and C**

The preferred joints were stub tenons with shoulders on two or all four sides, candidates failed to complete this satisfactorily, most letting the whole section of the piece into both arm (**Part A**) and rail (**Part C**). They should have recognised the need for shoulders in a situation such as this to ensure accurate location and strength. **Part D** was not usually cut to the correct length required, also making fitting difficult and mortices unnecessarily deep.