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FOREWORD

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

GCE Ordinary Level

Paper 6030/01
Theory, Drawing and Design

General comments

This year, because of the quality of the candidates entering the examination no questions seemed to be outside their experience. Candidates were able to make good and in some cases excellent responses to all parts of the paper. The question paper was of similar overall difficulty compared with previous years.

This year candidates produced some excellent responses. There were some candidates who were able to gain top marks, particularly in **Section I Part B**. There were also some excellent examples of orthographic projections in **Section II**.

Comments on specific questions

Section I Part A

Question 1

- (a) This question tested the basics of marking datum surfaces and was pleasingly well answered.
- (b) Tools used for preparing these surfaces were usually correctly named.
- (c) Most candidates were able to name these joints correctly.
- (d) Most were able to correctly identify at least two of the four defects and several gained all 4 marks.
- (e) Generally very well answered with appropriate personal safety rules identified.
- (f) Some named this as a marking gauge, rather than mortice.
- (g) Most correctly identified a bevel edged chisel and appropriate use, but a few named mortice chisel.
- (h) Mostly correct naming of bridle joint and correct saws at (b).
- (i) Several candidates gained full marks here on a question requiring detailed knowledge.

Section I Part B

Question 2

The least popular of the questions, but those who did attempt it were able to answer all three parts with good responses.

Question 3

A few candidates only showed support for the shelf across the grain, showing supporting brackets which would also attach to the wall. A few candidates were able to gain maximum marks.

Question 4

Several excellent answers given to all four parts, with some gaining maximum marks.

Question 5

Most candidates showed good understanding of manufactured boards. A few gave rather obscure advantages of the board at (b). Several were able to give three alternative boards at (c), along with correct uses.

Section II Drawing and Design

Part C

(i)-(iii) Those who followed the instructions for the question were able to give very good designs for solutions.

Part D

There were several candidates who produced excellent drawings in orthographic projection, showing full understanding of projecting views. The standard of drawings this year was exceptionally high.

<p>Paper 6030/02</p> <p>Practical</p>

General comments

Of the small sample of candidates work seen, all completed the test piece, the working drawings correctly understood and accurately followed. Before the test the wood had been accurately prepared and was of a suitable quality for the purpose. The work presented ranged from excellent to generally good, few weak candidates and spoilt pieces. Once more the standard is improving demonstrating good woodworking skills and practices.

Comments on specific questions**(a)** *Dovetail between parts B and C*

This was the main test joint and was completed to a good standard in most cases. The tails were accurately set out to the dimensions shown. Accuracy could have been improved had more candidates used marking knives for shoulder lines rather than pencils. Cut lines provide for a precise engagement of chisel blades when cutting. Tool work was generally good on both parts of the joint.

(b) *Halving joint between parts A and B*

This was completed to a good standard, accurately positioned and well fitted. The sides of the joint were cleanly cut and the bases finished parallel to the top edges ensuring a good fit.

(c) *Mortice and tenon between parts D and E*

A through mortice and tenon which was accurately positioned and finished to a good standard. The tenons were cut with good, clean, sawn parallel sides and square shoulders. Mortices were well cut with little evidence of breaking out, having been cut from one face only, and few compressed ends.

(d) *Appropriate joint between parts D and C*

A range of mortice and tenon joints were appropriate in this situation, ranging from through to stopped, with two or four shoulders. Most candidates saw the necessity for shoulders, either two or four, and did not fall into the trap of letting in the whole section into the leg (part C). This was completed satisfactorily, but a few candidates made very small mortice and tenons, thus reducing strength within the structure.

(e) *Suitable shape end of part A*

A curve or a simple slope was the favoured solution. They were generally well proportioned and cleaned up to a good standard, spokeshaves and planes used in the correct direction of the grain.

(f) *Final cleaning up*

Most candidates attempted to clean up their pieces to good effect with a finely set smoothing plane, giving a greatly enhanced final appearance.