

AN ROINN OIDEACHAIS

(Department of Education).

INTERMEDIATE CERTIFICATE EXAMINATION, 1948.

MANUAL INSTRUCTION.

THURSDAY, 24th JUNE.—AFTERNOON, 4 TO 6 p.m.

Answers to Section I questions to be on the drawing paper supplied, both sides of which may be used.

SECTION I.

[60 marks.]

DRAWING.

N.B.—Two questions only to be attempted in this section. Drawing instruments may be used.

1. Show in orthographic projection the drawings that would be necessary to make the money box shown in fig. Δ . Use your own scale.

[40 marks.]

2. Copy the drawing of the mirror frame shown in fig. \flat and then draw a vertical section of it. Use your own scale.

[20 marks.]

3. Draw in isometric projection a bridle joint.

[20 marks.]

4. Draw the money box shown in fig. Δ in oblique projection.

[20 marks.]

SECTION II.

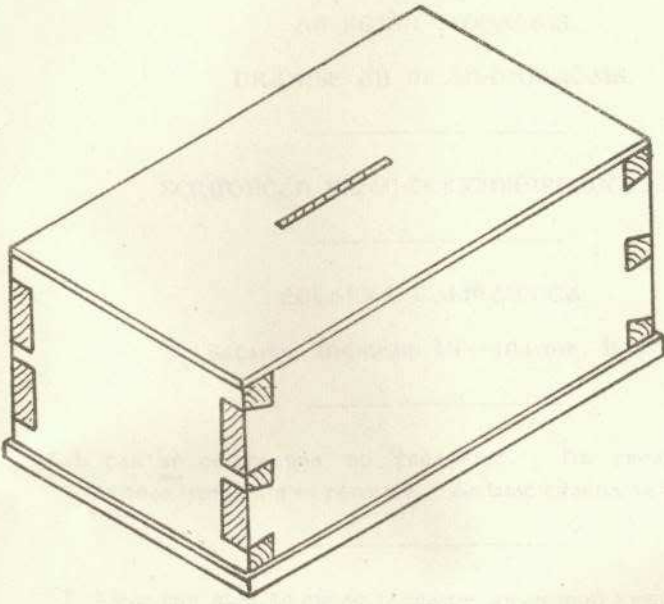
[40 marks.]

TOOLS AND MATERIALS.

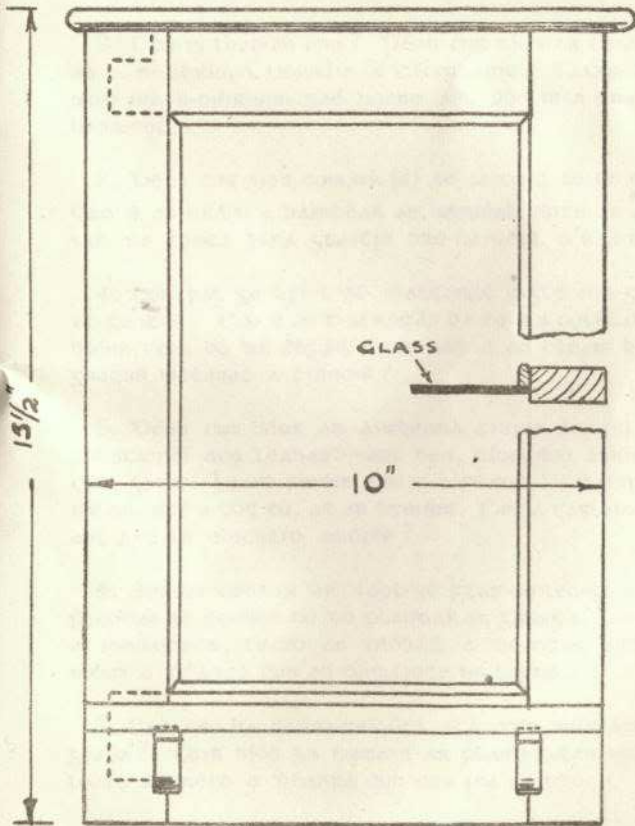
N.B.—Four questions only to be attempted in this section. All questions in this section carry equal marks. All written work to be in ink in the ruled Answer Book supplied.

- 5. Describe how you would make the mirror frame shown in fig. b.
- 6. Name all the saws that you know and describe the uses of each.
- 7. Compare three hardwoods.
- 8. Name the tools that would be required to make the money box (fig. a.)
- 9. Make a freehand drawing of a hammer.
- 10. Write out a cutting list of the material that would be required to make the mirror frame (fig. b.)
- 11. Make a sketch of a jack plane and name each of its parts.
- 12. Describe the method of "trueing up" a piece of wood.

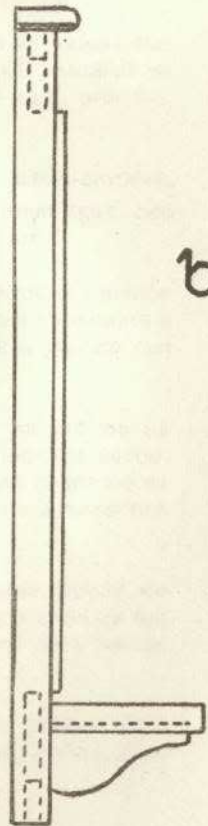
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A.



FRONT ELEVATION



b.

SIDE ELEV.