

AN ROINN OIDEACHAIS  
(Department of Education).

BRAINNSE AN MHEADHON-OIDEACHAIS  
(Secondary Education Branch).

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LEAVING CERTIFICATE EXAMINATION, 1939.

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PASS.

MECHANICAL DRAWING AND DESIGN.

TUESDAY, 20th JUNE.—AFTERNOON, 4 TO 6 P.M.

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BOYS ONLY.

NOTE.—The use of mathematical instruments, protractors, scales, T and set squares, and drawing-boards is allowed.

The number of the question must be distinctly marked by the side of each answer. Both sides of the paper may be used.

Questions marked (\*) have accompanying diagrams.

The number of marks assigned to each question is stated in brackets after the question.

ONLY FOUR questions to be attempted. TWO from SECTION A. and TWO from SECTION B.

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SECTION A.

Two questions only to be attempted in this Section.

(The questions in this Section must be solved accurately with the aid of drawing instruments. All lines used in constructions should be clearly shown.)

\*Q. 1. Draw the shape to the dimensions given, and within it draw in suitable proportions, the word "muir-*cheàc*" in Gaelic letters one inch high, or the word, "MERVILLE," in Roman letters one inch high.

The whole word is to be spaced out and at least *half* of it completed.

[14]

\*Q. 2. An outline dimensioned diagram of a small gate is given. Draw the gate to a scale of  $1\frac{1}{2}$  inches to 1 ft.

An ordinary divided rule may be used as a scale.

[14]

\*Q. 3. The plan and elevation of the letter X are given. Draw a new elevation on the ground line parallel to X' Y'.

[14]

## SECTION B.

Two questions only to be attempted in this Section.

Q. 4. Draw a design to occupy a square of  $4\frac{1}{2}$  inches side. Your design may be based on Celtic, Floral, or Geometric ornament. An initial Gaelic, or Roman letter is to form an important feature of the design.

Two colours may be used or the design may be completed in Black and White.

[23]

\*Q. 5. Draw a design to fill the shape shown on the diagram. You may select any style of ornament and finish the design in two or three colours.

(Colour **MUST** be used in answering this question).

[24]

Q. 6. Design a border suitable for the title-page of a book. The size of the page is 6 inches by 8 inches. The width of the border is to be  $1\frac{1}{2}$  inches.

The lay-out of the whole design should be indicated and at least *quarter* completed in Black and White or colour.

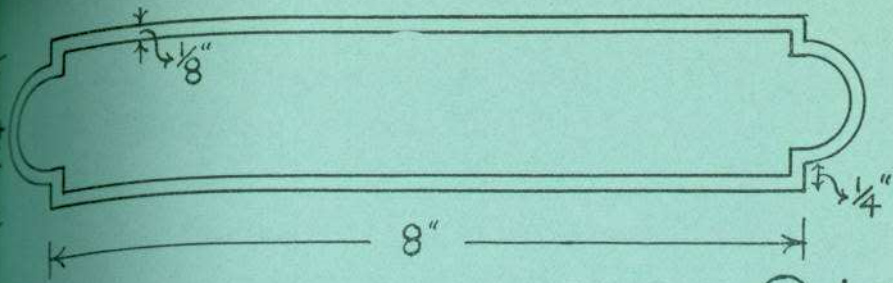
[23]

Q. 7. Make a design in colour suitable for a Bookmark. Your design is to be rectangular in shape, 7 inches by 2 inches.

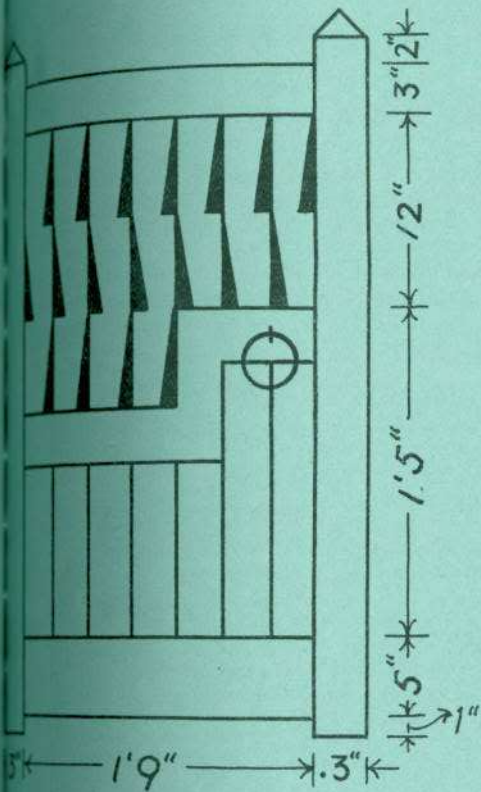
Not more than *three* colours may be used.

(Colour **MUST** be used in answering this question).

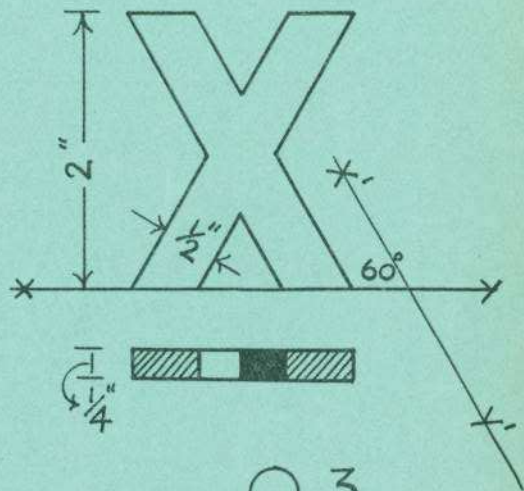
[24]



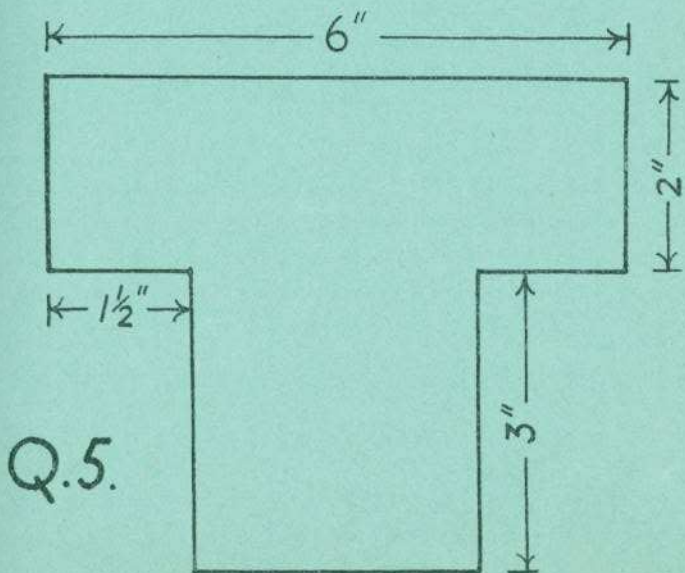
Q. 1.



Q. 2.



Q. 3.



Q. 5.