

AN ROINN OIDEACHAIS

(Department of Education).

BRAINNSE AN MHEADHON-OIDEACHAIS

(Secondary Education Branch).

LEAVING CERTIFICATE EXAMINATION, 1941.

PASS.

MECHANICAL DRAWING AND DESIGN.

WEDNESDAY, 18th JUNE.—AFTERNOON, 4 TO 6 P.M.

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.

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 "AMAC" in Gaelic letters one inch high, or the word "EXIT" in Roman letters one inch high.

[20.]

*Q. 2. An outline dimensioned diagram of a Gothic window is given. Draw the diagram to a scale of 1 inch to 1 foot.

An ordinary divided rule may be used as a scale.

[20.]

*Q. 3. The diagram shows the plan and elevation of a square pyramid lying on one of its triangular faces. Draw a new elevation on the ground line $X^1 Y^1$.

[20.]

SECTION B.

Two questions only to be attempted in this Section.

Q. 4. Draw a design for a circular panel $4\frac{1}{2}$ inches in diameter

The design may be composed of Celtic, Floral, or Geometric ornament. Two colours may be used, or the design may be completed in Black and White.

[30.]

Q. 5. Make a design for a Chair-back. The design is to occupy an upright rectangular panel, $5\frac{1}{2}$ inches high, and $2\frac{1}{2}$ inches wide, and should be for some definite craftwork.

(Colour MAY be used in answering this question.)

[30.]

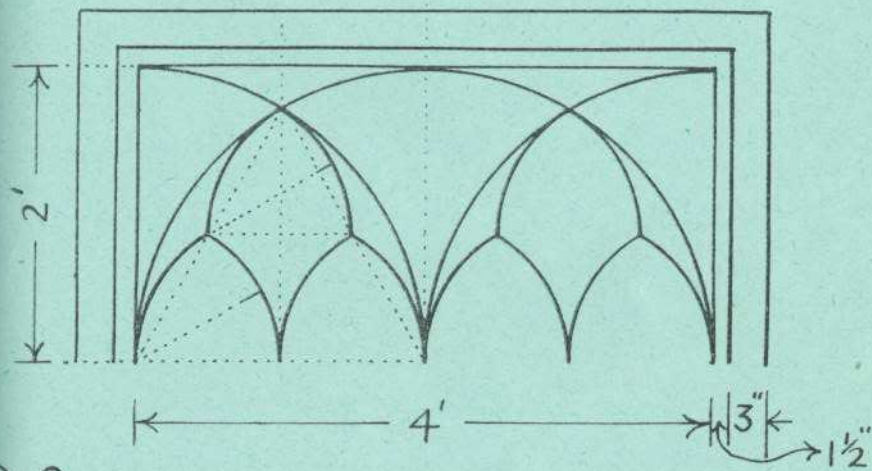
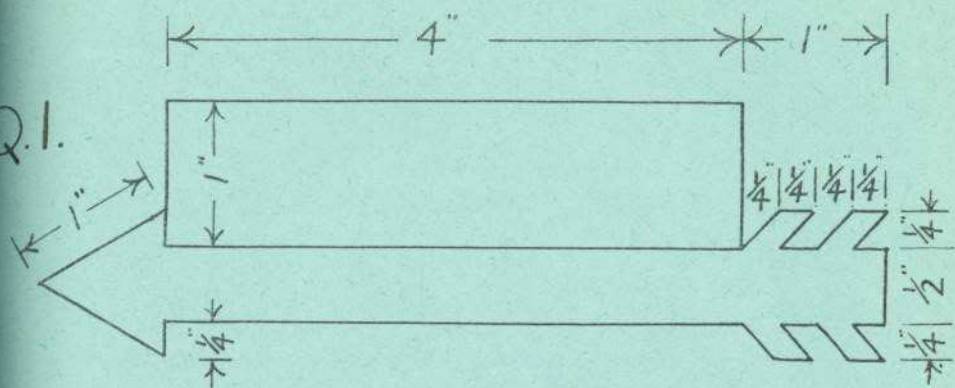
Q. 6. Design a Showcard suitable for display in a shop window, to advertise Flower Seeds. The design is to occupy a square of $4\frac{1}{2}$ inches side.

(Colour MAY be used in answering this question.)

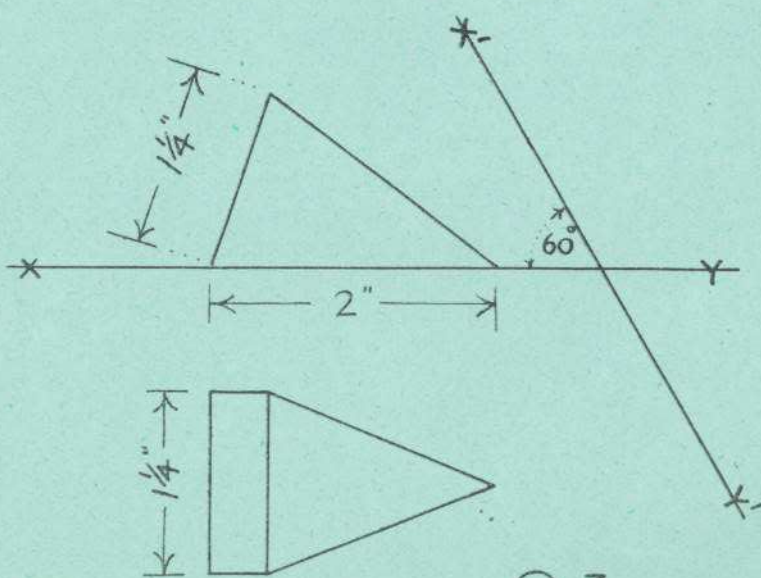
[30.]

BOYS ONLY.

Q. 1.



Q. 2.



Q. 3.