

AN ROINN OIDEACHAIS
(Department of Education).

BRAINNSE AN MHEADHON-OIDEACHAIS
(Secondary Education Branch).

LEAVING CERTIFICATE EXAMINATION, 1940.

HONOURS.

MECHANICAL DRAWING AND DESIGN.

MONDAY, 17th 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. The diagram shows the side elevation of a Chair. Draw the Chair to the scale of $1\frac{1}{2}$ inches to 1 foot.

[20]

*Q. 2. The plan and elevation of a weather-vane are given. Draw a new elevation on X' Y'.

[20]

*Q. 3. The diagram represents a Finial. Draw full-size to the dimensions indicated.

[20]

SECTION B.

Two questions only to be attempted in this Section.

Q. 4. Draw a design for the Cover of a Photograph Album, 6" by 4". The word, "**SNAPS**", in Roman Lettering, should form an important feature of the design.

Two tones of one colour may be used, or the design may be completed in Black and White.

[30]

*Q. 5. Draw a design for a circular panel 5" diameter. The design must be based on the plant (Fuchsia), illustrated in the diagram and suitable for reproduction in Inlay, or Painted-wood.

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

[30]

Q. 6. Make a design for a "Hanging-sign," to be suspended over a door. The design may be any ornamental shape, 5" by 4", outside measurement, including moulding or frame.

The words, "**THE FLOWER SHOP**", are to form an essential feature of the design.

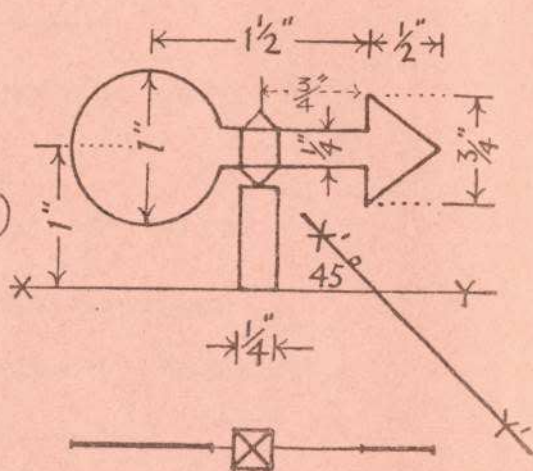
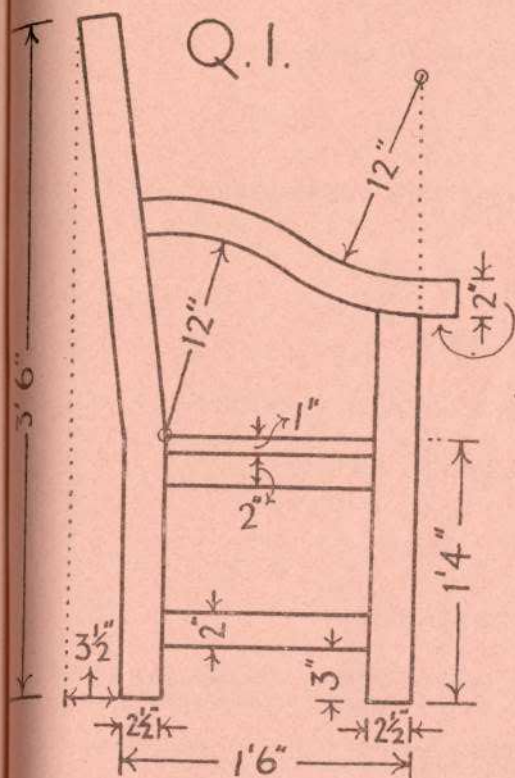
(Colour **MUST** be used in answering this question.)

[30]

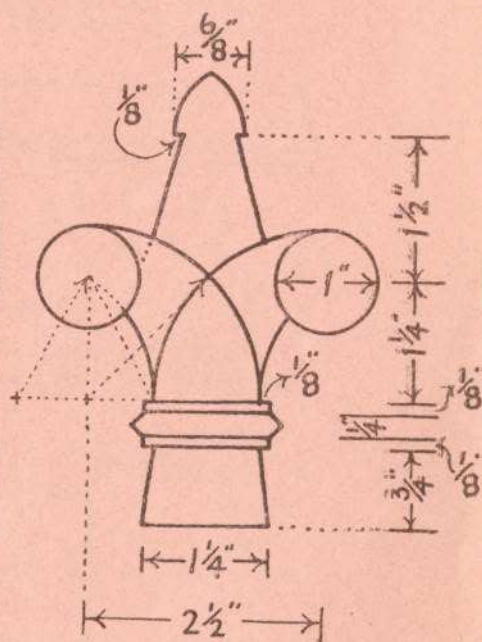
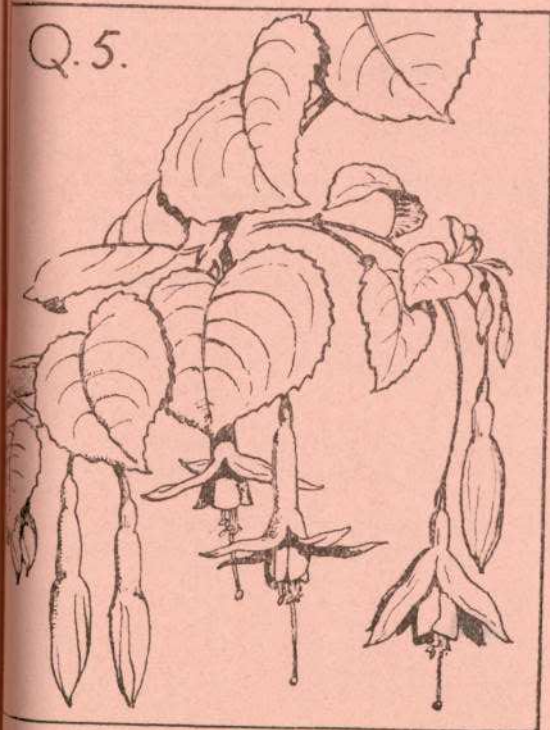
BOYS ONLY.

Q.1.

Q.2.



Q.5.



Q.3.