

AN ROINN OIDEACHAIS
(Department of Education.)

LEAVING CERTIFICATE EXAMINATION, 1944.

MECHANICAL DRAWING AND DESIGN.

COURSE B—PASS—BOYS AND GIRLS.

WEDNESDAY, 21st JUNE.—MORNING, 10 TO 12 NOON.

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.

ONLY THREE questions to be attempted, not more than two of which are to be taken from Section A or Section B.

All questions carry equal marks.

SECTION A.

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

*Q. 1. Draw the diagram to the dimensions given and within it draw in suitable proportions the word "PRÌNÌ-ÒÌÒÈ" in Gaelic letters, or the word "PRINCIPAL" in Roman letters.

*Q. 2. The side elevation of a circular tin canister with the lid partly open, is given. Draw its plan.

Scale: $\frac{1}{2}$ full-size.

*Q. 3. An outlined dimensioned diagram of a Gothic window is given. Draw the diagram full-size to the dimensions indicated.

*Q. 4. Draw to the scale of 1 inch to 1 foot, the iron grille shown on the diagram.

SECTION B.

Q. 5. Make a design for a semi-circular Tea-cosy of 12 inches diameter.

Scale : $\frac{1}{4}$ full-size.

Any style of ornament may be used. The design should be suitable for Embroidery, Leathercraft or Stenelling, and may include a monogram.

(Colour MAY be used in answering this question.)

Q. 6. Draw a design for the lid of a Pen-case, 7 inches by 3 inches.

The design is to be based on Celtic ornament or on Natural Forms.

(Colour MAY be used in answering this question.)

Q. 7. Design a border in black and white suitable for the Title-page of a book.

The width of the border is to be in proportion to the size of the page.

An ornamental Initial-letter, " A ", is to be drawn in the space surrounded by the border.

Size of the page, 7 inches by 5 inches.

Q. 8. Draw a design for a Showcard to advertise " Matches ".

The design is to be rectangular in shape, 7 inches by 4 inches (vertical).

(Colour MAY be used in answering this question.)

GIRLS 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.

ONLY THREE questions to be attempted, not more than two of which are to be taken from Section A or Section B.

All questions carry equal marks.

SECTION A.

(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 diagram to the dimensions given, and within it draw in suitable proportions the word " PRÌOM-OÙE " in Gaelic letters, or the word " PRINCIPAL " in Roman letters.

*Q. 2. An outline dimensioned diagram of the "Fleur-de-lis" is given. Draw the diagram full-size to the dimensions indicated.

*Q. 3. The diagram represents an ornamental pendant. Draw the diagram full-size to the dimensions given.

*Q. 4. An ornamental border for embroidery is shown on the diagram. Draw two repeats of the border according to the figured dimensions.

SECTION B.

Q. 5. Make a design for a semi-circular Tea-cosy of 12 inches diameter.

Scale: $\frac{1}{2}$ full-size.

Any style of ornament may be used. The design should be suitable for Embroidery, Leathercraft, or Stencilling, and may include a monogram.

(Colour MAY be used in answering this question.)

Q. 6. Draw a design for the lid of a Pen-case, 7 inches by 3 inches.

The design is to be based on Celtic ornament or on Natural Forms.

(Colour MAY be used in answering this question.)

Q. 7. Design a border in black and white suitable for the Title-page of a book.

The width of the border is to be in proportion to the size of the page.

An ornamental Initial-letter "A" is to be drawn in the space surrounded by the border.

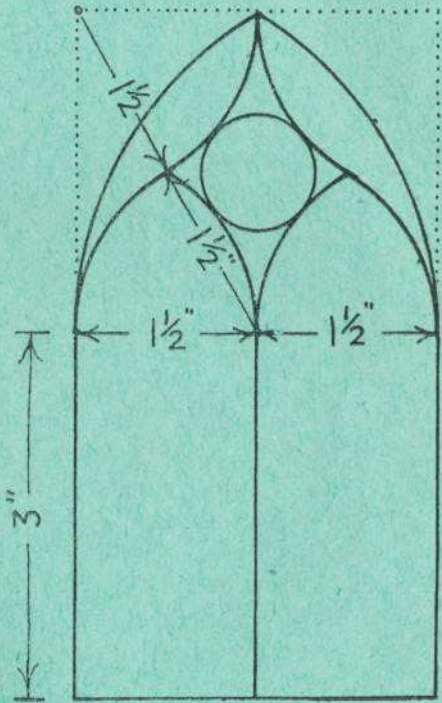
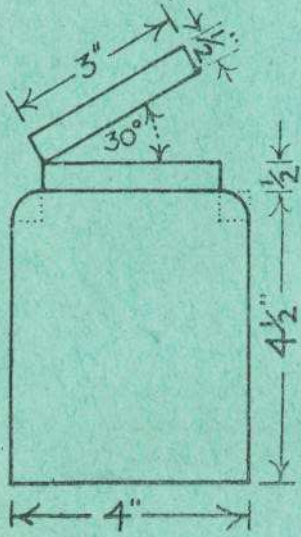
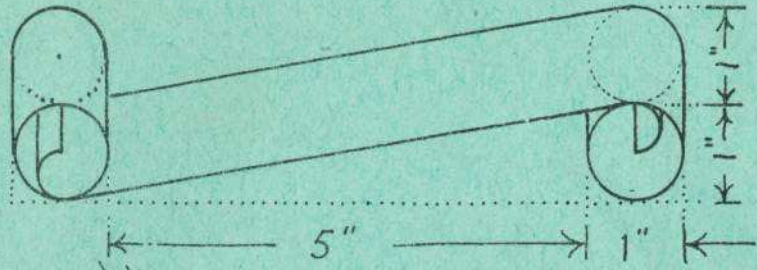
Size of the page, 7 inches by 5 inches.

Q. 8. Draw a design for a Showcard to advertise "Matches". The design is to be rectangular in shape, 7 inches by 4 inches (vertical).

(Colour MAY be used in answering this question.)

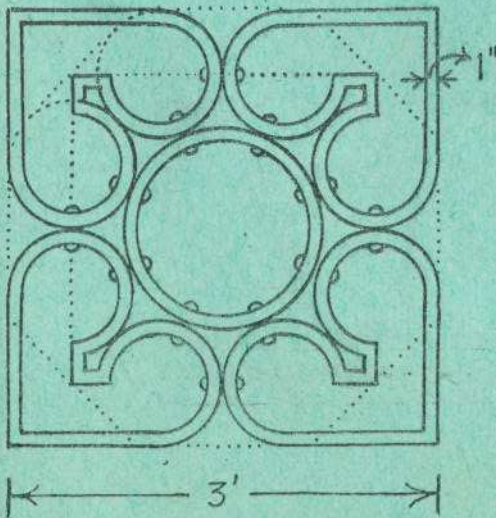
BARSHUN AMAIN - BOYS ONLY

Q.1.



Q.2.

Q.3.



Q.4.

ΞΕΑΡΡΑΙΛΙ ΔΑΜΑΙΝ - GIRLS ONLY

