

AN ROINN OIDEACHAIS.  
(Department of Education).

BRAINNSE AN MHEADHON-OIDEACHAIS  
(Secondary Education Branch).

---

LEAVING CERTIFICATE EXAMINATION, 1939.

---

PASS.

MECHANICAL DRAWING AND DESIGN.

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

---

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.

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 “**muir-*ceac***,” 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. Copy the pattern shown in the diagram to the dimensions indicated.

[14]

\*Q. 3. Draw the given pattern of a sleeve according to the figured dimensions. Show clearly how all points of contact are obtained.

Draw to a scale of **3** inches to **1** foot.

An ordinary divided rule may be used as a scale.

[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 part of the design. Two colours may be used, or the design may be completed in Black and White.

[23]

Q. 5. Make a design in colour for an embroidered table-centre in the form of a diamond.

The diagonals are to be **10** inches and **14** inches respectively. Scale: One half full-size.

The design may be based on Celtic or Floral ornament.

(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]

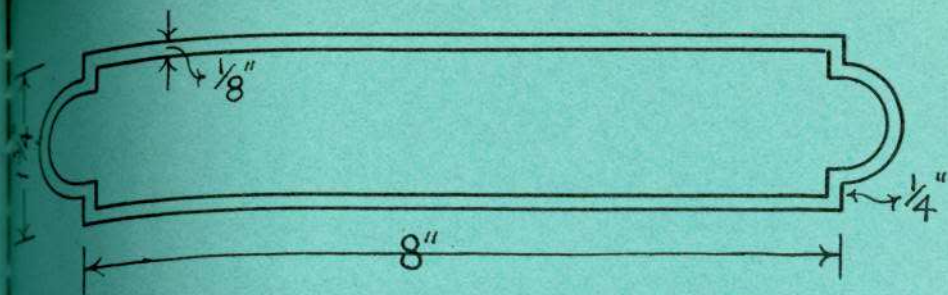
Q. 7. Make a design in colour for an embroidered "Brush and Comb" bag. The size of the bag is to be **6** inches by **9** inches, with a flap. The shape of the flap is left to the choice of the candidate but it must not exceed the size of the bag.

The design may be based on Celtic or Floral ornament.

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

[24]

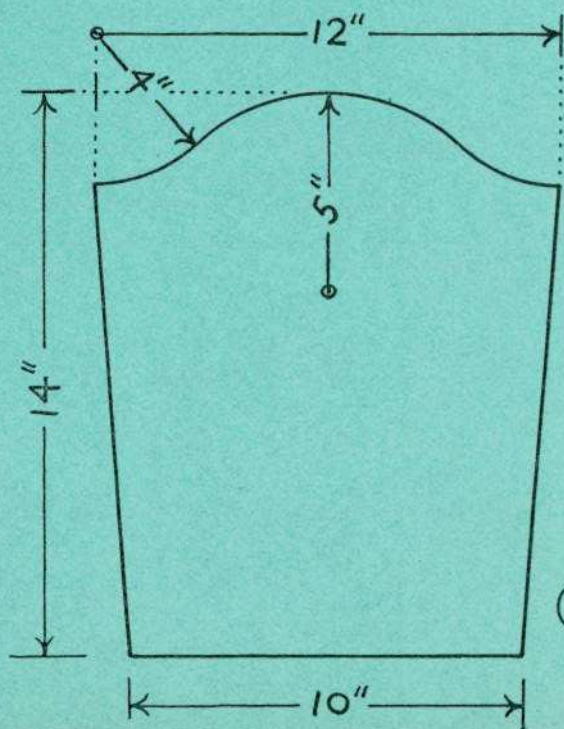
GIRLS ONLY.



Q.1.



Q.2.



Q.3.