

# AN ROINN OIDEACHAIS.

(Department of Education.)

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LEAVING CERTIFICATE EXAMINATION, 1946.

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## MECHANICAL DRAWING AND DESIGN.

COURSE B—PASS—BOYS AND GIRLS.

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

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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.

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.

100 marks allotted to this Paper.

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### 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.)

\*1. Draw the diagram to the dimensions given and within it draw in suitable proportions the word "SLIOMAC" in Gaelic letters, or the word "LOBSTER" in Roman letters.

\*2. The diagram represents an ornamental Cross. Draw the diagram full-size to the dimensions shown.

\*3. Copy the ornament shown on the diagram, full-size, according to the dimensions indicated.

\*4. The Plan, Front and Side Elevations of a Notice-board are shown on the diagram.

Draw a new Elevation on a ground-line parallel to X' Y'.

## SECTION B.

5. Draw a design for a square Napkin or Serviette, of 14 inches side. The design should be suitable for Embroidery, or Damask Weaving, and may include an Initial-letter, or Monogram.

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

6. Draw a design for a Poster to advertise " Flower Seeds ".

The design is to be rectangular in shape, 5 inches by 7 inches (vertical).

Not more than four colours may be used.

(Colour MAY be used in answering this question.)

7. Draw a design for the decoration of a Bellows.

The design is to occupy a circle of 5 inches diameter, and should be suitable for Leathercraft, Painted Wood or Metalwork and Enamelling.

(Colour MAY be used in answering this question.)

8. Draw a design for a repeating border 2 inches wide, to suit a circular Photograph Frame of 8 inches diameter.

The design may be composed of Celtic, Floral or Geometric ornament, and should be suitable for Woodcarving, Repoussé Metal, Leathercraft, Painted Wood, or Inlay.

Complete *one* repeat and show the main lines of the adjacent repeats.

## GIRLS ONLY.

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- \*2. The diagram represents an ornamental Cross.  
Draw the diagram, full-size, to the dimensions shown.
- \*3. Copy the ornament shown on the diagram, full-size, according to the dimensions indicated.
- \*4. Draw with instruments the geometrical basis on which the given repeating pattern is constructed.  
It will be sufficient to complete *half* the diagram.

## SECTION B.

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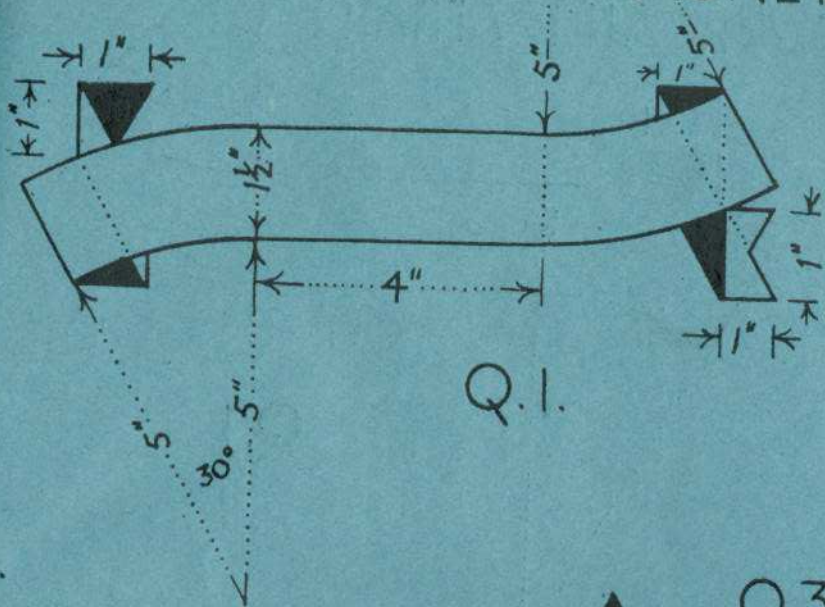
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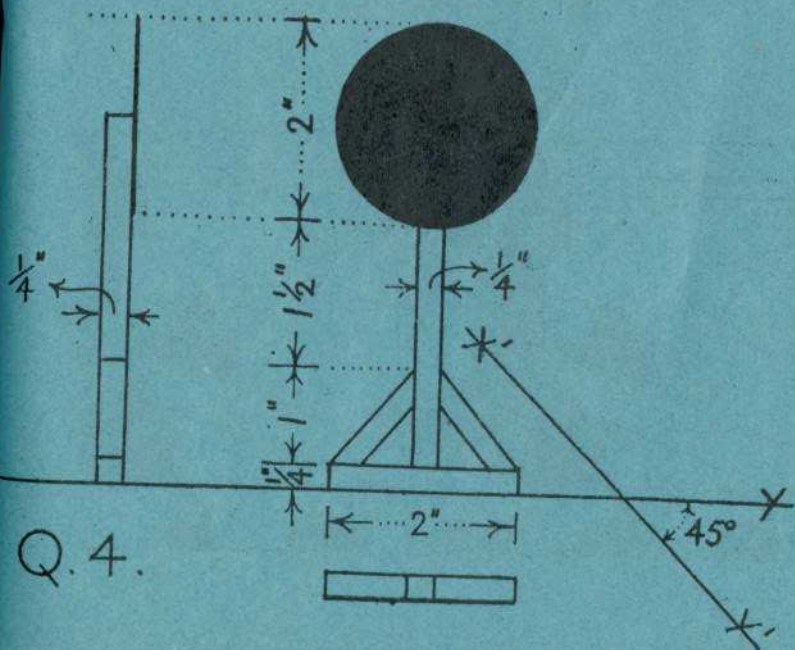
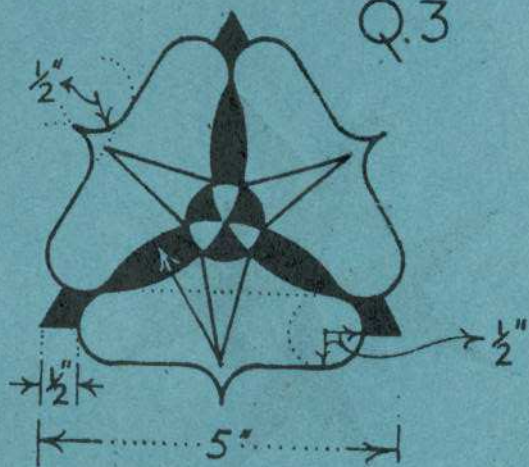
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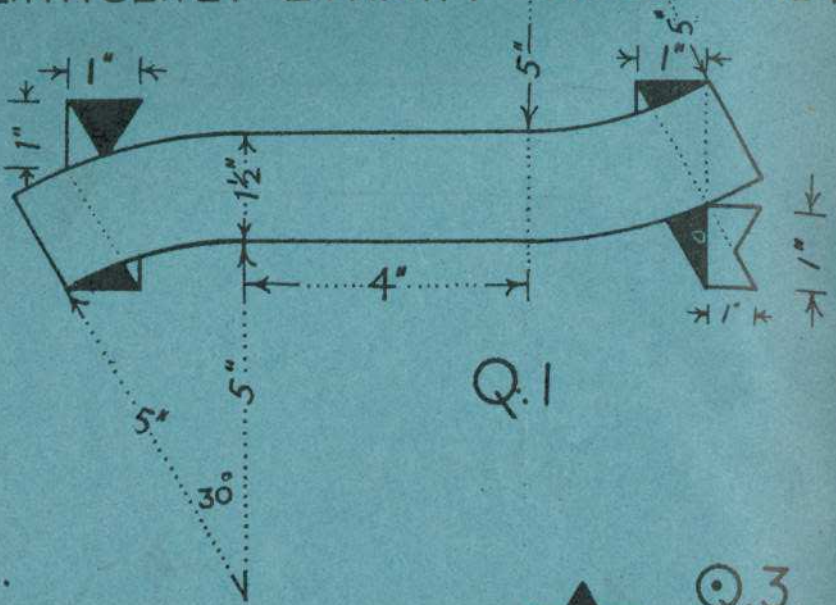
2.



Q.3



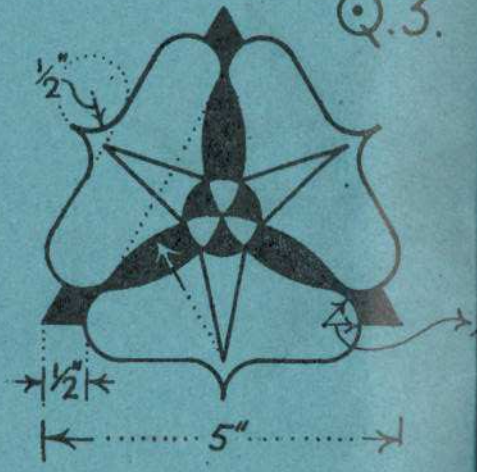
ΞΕΛΡΡΪΛΙΪ ΔΑΜΑΪΝ - GIRLS ONLY



Q.2.



Q.3.



Q.4.

