

AN ROINN OIDEACHAIS
(Department of Education).

LEAVING CERTIFICATE EXAMINATION, 1950.

MECHANICAL DRAWING AND DESIGN.

COURSE B—PASS—BOYS AND GIRLS.

FRIDAY, 16th JUNE.—MORNING, 10 TO 12.

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.

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 "MUIR-CEAC" in Gaelic letters, or the word "MERVILLE" in Roman letters.

*2. The diagram gives the plan and elevation of a hexagonal nut. Draw (full-size) a new elevation on X'Y'.

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

*4. An outline dimensioned diagram of a silver Cup and cover is given.

Draw the diagram full-size to the dimensions indicated.

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

SECTION B.

6. Draw a design for a Poster or Showcard to advertise "ARTISTS' COLOURS." The design is to be rectangular in shape, 4 inches by 6 inches (vertical). Simple "ONE-STROKE" lettering may be used to indicate the title or announcement.

(Colour MAY be used in answering this question.)

7. 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.)

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.

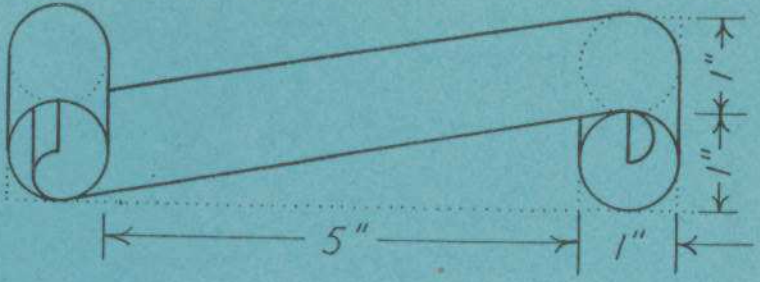
Complete *one* repeat and show the main lines of the adjacent repeats.

(Colour MAY be used in answering this question.)

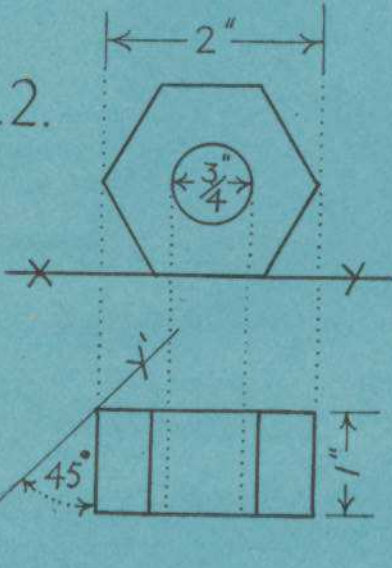
9. Draw a design for a panel in the form of a diamond. The diagonals are to be 5 inches and 4 inches respectively. The design may be composed of Celtic, floral or geometric ornament.

(Colour may be used in answering this question.)

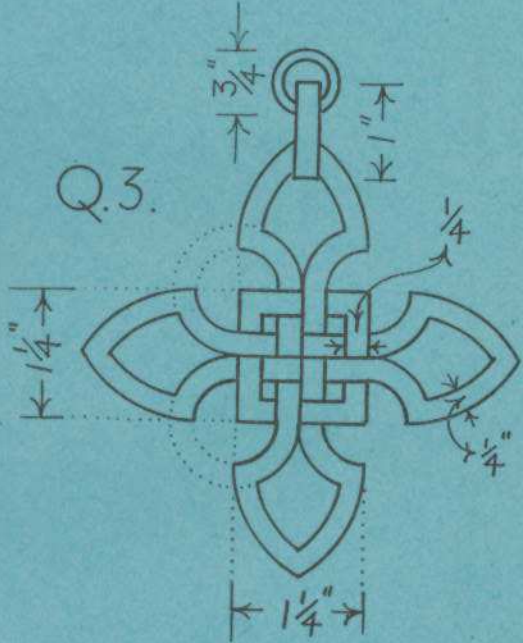
Q.1.



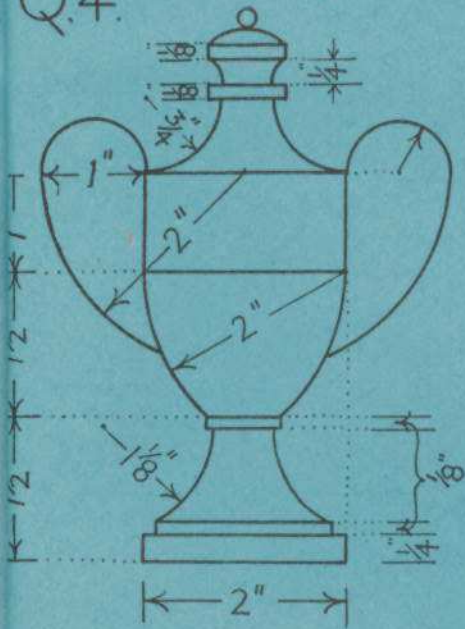
Q.2.



Q.3.



Q.4.



Q.5.

