

AN ROINN OIDEACHAIS
(Department of Education).

LEAVING CERTIFICATE EXAMINATION, 1948.

MECHANICAL DRAWING AND DESIGN.

Course B—Honours.

BOYS AND GIRLS.

THURSDAY, 24th JUNE.—MORNING, 10 TO 12 NOON.

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, of which not more than two 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 constructions should be clearly shown.)

* 1. Copy the Celtic ornament shown on the diagram, full-size, according to the dimensions.

* 2. The diagram shows the plan and elevation of a metal template. Draw a new elevation of the metal template on a vertical plane represented in plan by X'. Y'.

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

* 4. An ornamental symbol for embroidery is shown on the diagram. Make, full-size, a properly-constructed drawing of the diagram, using the dimension given.

SECTION B.

* 5. Draw a design for the lid of an octagonal Powder-box, to occupy a regular octagon of 2 inches side. The design must be based on the plant (Wild Rose) illustrated on the diagram.

(Colour MAY be used in answering this question.)

6. Draw a design for a Strip-poster to advertise "Honey." The design is to be rectangular in shape 3 inches by 7 inches (horizontal).

Simple "One-stroke" lettering may be used to indicate the title or announcement.

(Colour MAY be used in answering this question.)

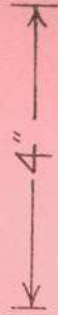
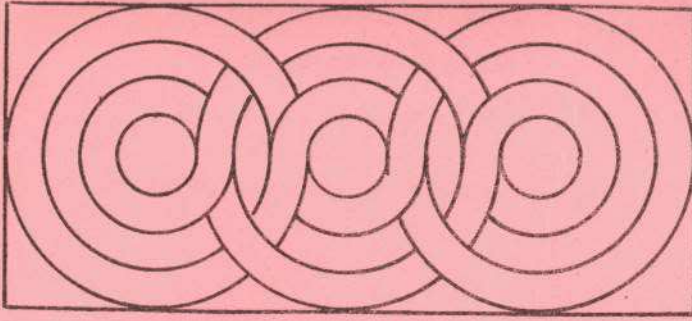
7. Draw a design suitable for the cover of a Case, or compendium for Stationery.

The design is to occupy a rectangle 5 inches by 7 inches (vertical)

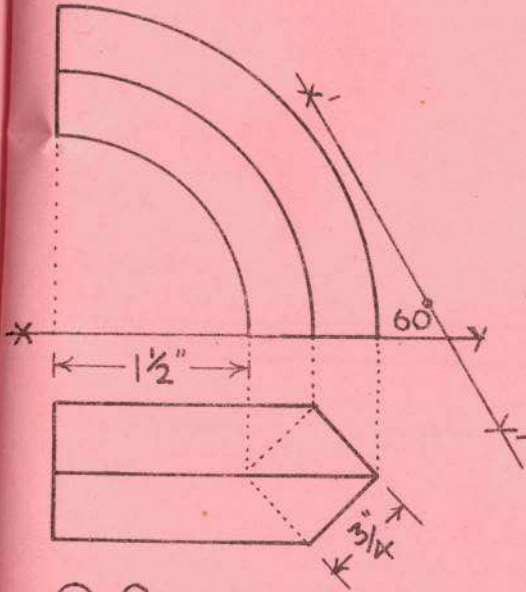
(Colour MAY be used in answering this question.)

8. Make a design for the end of a Book-rack in the form of a quadrant (quarter circle) of 5 inches radius. Your design may be composed of Celtic, Floral, or Geometric ornament, and suitable for wood-carving, Repoussé Metal, Leathercraft, Stained Wood, or Inlay.

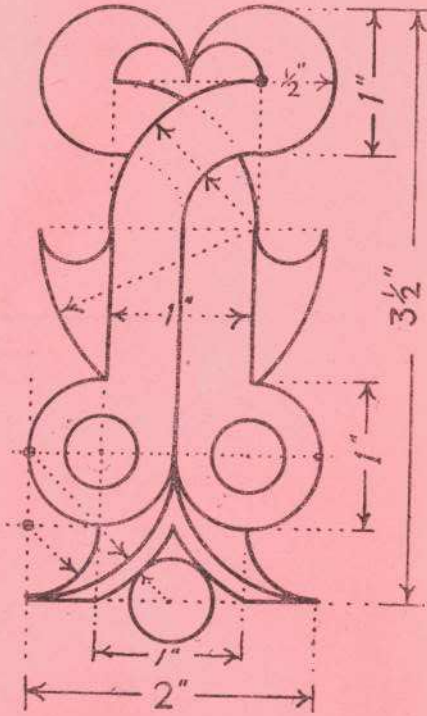
(Colour MAY be used in answering this question.)



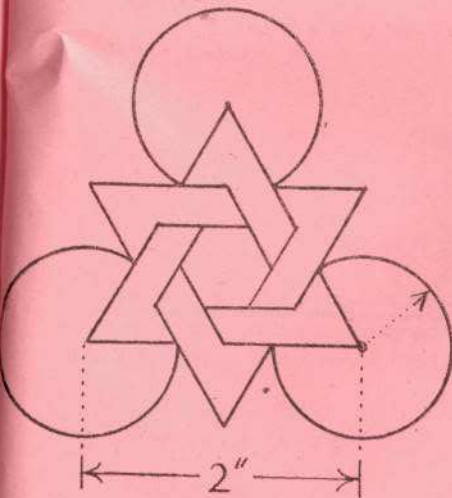
Q.1.



Q.2.



Q.3.



Q.4.



Q.5.