

AN ROINN OIDEACHAIS
(Department of Education).

LEAVING CERTIFICATE EXAMINATION, 1952.

MECHANICAL DRAWING AND DESIGN.

Course B—Honours.

BOYS AND GIRLS.

FRIDAY, 20th 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 may 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. An ornamental border for embroidery is shown on the diagram. Draw two repeats of the border according to the figured dimensions.

*2. The diagram shows the plan and elevation of a mirror and stand. Draw a new elevation of the diagram on a vertical plane represented in plan by $X^1 Y^1$.

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

*4. The diagram represents an ornamental brooch. Copy the diagram full-size, according to the dimensions indicated.

SECTION B.

*5. Draw a design suitable for the cover of a case for Handkerchiefs. The design is to occupy a square of 5 inches side, and must be based on the plant (Ivy) illustrated on the diagram.

(Colour MAY be used in answering this question.)

6. Draw a design for a Strip-poster to advertise "DELF," or "BREAD". 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 for the decoration of a Blotter-case. The design is to occupy a rectangle 4 inches by 6 inches, and suitable for some definite craftwork.

(Colour MAY be used in answering this question.)

8. Draw a design for the lid of a rectangular box to contain "Pens and Pencils." The size of the lid is to be 8 inches by 4 inches.

(Colour MAY be used in answering this question.)

