

AN ROINN OIDEACHAIS
(Department of Education).

LEAVING CERTIFICATE EXAMINATION, 1952.

MECHANICAL DRAWING AND DESIGN.

COURSE B—PASS—BOYS AND GIRLS.

FRIDAY, 20th 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 "PROMNTEAC" in Gaelic letters, or the word "RESTAURANT" in Roman letters.

*2. The diagram gives the plan and elevation of a square pyramid lying on one of its triangular faces. Draw (full-size), a new elevation on $X^1 Y^1$.

*3. An outline dimensioned diagram of a Silver Cup is given. Draw the diagram full-size to the dimensions indicated.

*4. The diagram represents an Iron Grille. Draw the diagram full-size to the dimensions indicated.

*5. The diagram shows a portion of Lace-edging. Draw two repeats of the edging according to the figured dimensions.

SECTION B.

6. Draw a design for a Poster or Showcard to advertise "JAM." 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. Make a design for a Calendar $4\frac{1}{2}$ inches by 6 inches (vertical).

Any style of ornament may be used and a blank space may be left for the days of the week and months of the year.

(Colour MAY be used in answering this question.)

8. Draw a design for the decoration of a Firescreen. The design is to occupy an upright rectangular panel 6 inches high, and 3 inches wide, and should be suitable for some definite craftwork.

(Colour MAY be used in answering this question.)

9. Make a design for a border suitable for the title-page of a book, based on Celtic or Floral ornament. The size of the page is to be 6 inches by 5 inches, and the border is to be in proportion to that size. Within the blank space you may insert a title.

