

AN ROINN OIDEACHAIS

(Department of Education).

BRAINNSE AN MHEADHON-OIDEACHAIS

(Secondary Education Branch).

INTERMEDIATE CERTIFICATE EXAMINATION, 1937.

MECHANICAL DRAWING AND DESIGN.

TUESDAY, 22nd JUNE.—AFTERNOON 4 TO 6 P.M.

NOTE.—The use of mathematical instruments, protractors, scales, T- and set-squares, and drawing-boards is allowed.

All construction lines must be clearly shown.

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.

The number of marks assigned to each question is stated in brackets after the question.

Q. 1. Draw with pencil, pen or brush, in Gaelic letters one inch high, the word **seán**.

Or,

In Roman letters one inch high, the word **JOHN**. [8]

*Q. 2. Draw the given pattern, full size, to the dimensions shown. [10]

*Q. 3. According to the dimensions indicated, draw full size the given ribbon pattern, all the curves are arcs of circles. [10]

*Q. 4. The plan and elevation of a metal almanac case are given. Draw a side elevation of the case to a scale of half full-size. [14]

*Q. 5. Draw the given pattern, full size, to the dimension shown. [11]

Q. 6. Draw a design to occupy a square of $4\frac{1}{2}$ inches sides. Ornament of any style may be used and the design finished in black and white or in two colours.

Or,

Draw a design to occupy a circle of 5 inches diameter. The design must be Celtic in style and finished in black and white or in two colours. [22]

