

AN ROINN OIDEACHAIS
(Department of Education).

BRAINNSE AN MHEADHON-OIDEACHAIS
(Secondary Education Branch).

INTERMEDIATE CERTIFICATE EXAMINATION, 1935.

MECHANICAL DRAWING
AND DESIGN:

WEDNESDAY, 19th 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, $\frac{3}{4}$ inch high, the word **IASC**.

Or,

In Roman letters $\frac{3}{4}$ inch high, the word **FISH**. [8]

*Q. 2. Draw two repeats of the border shown in diagram, using the figured dimensions. [9]

*Q. 3. Draw the given diagram of a kettle, according to the dimensions indicated.

Show clearly how the points of contact are determined. [11]

*Q. 4. Draw, to a scale of 1 inch to 1 foot, the diagram of a leaded-glass panel to the dimension shown.

An ordinary divided rule may be used as a Scale. [10]

*Q. 5. A perspective drawing is given of a spool resting centrally on a square pin box. Draw full size to the dimensions shown a plan and elevation. [14]

Q. 6. Draw a design to suit a regular hexagon of $2\frac{1}{4}$ inch side. You may select any style of ornament and finish the design 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 or Floral in treatment. Two tones of one colour may be used, or the design may be finished in black and white.

[22]

