

AN ROINN OIDEACHAIS.

INTERMEDIATE CERTIFICATE EXAMINATION, 1942.

MECHANICAL DRAWING AND DESIGN (COURSE B).

WEDNESDAY, 17th JUNE.—MORNING, 11.15 TO 1.15 P.M.

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.

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

ONLY FOUR questions to be attempted. TWO from SECTION A, and TWO from SECTION B.

SECTION A.

Two questions only to be attempted in this Section.

(The work in this Section must be accurate and must be executed with the aid of drawing instruments. All lines used in construction should be clearly shown.)

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

in Roman letters one inch high ^{or} the word “AEROPLANE”.

[20.]

*Q. 2. Copy the pattern shown in the diagram to the dimensions indicated.

[20.]

*Q. 3. A perspective drawing is given of a circular candlestick. Draw full-size to the dimensions shown a plan and elevation.

[20.]

SECTION B.

*Q. 4. Draw a design to fill the shape shown in the diagram. Any style of ornament may be selected, and the design may be completed in two or three colours or in black and white.

[30.]

Q. 5. Make a design for a repeating border 3 inches wide. The design must be Celtic or Floral in treatment. Complete one repeat and show the main lines of the adjacent repeats.

(Colour MAY be used in answering this question.)

[30.]

Q. 6. Make a design to occupy a rectangle 4 inches by 6 inches (vertical).

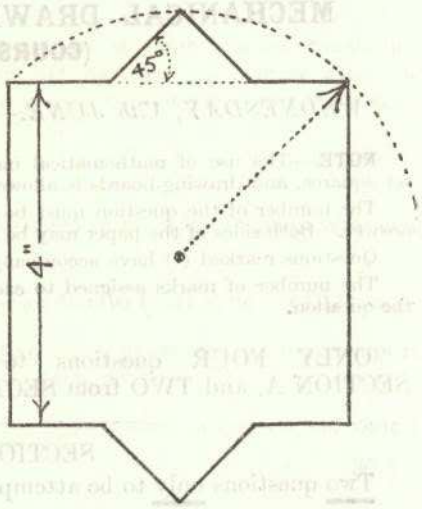
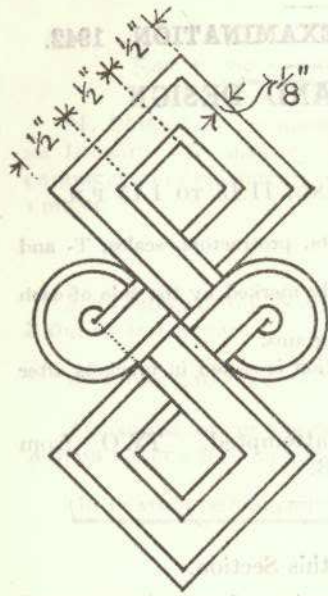
The design may be composed entirely of geometric forms, or of geometric and free-drawn forms combined, or solely of free-forms.

(Colour MAY be used in answering this question.)

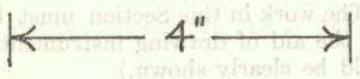
[30.]

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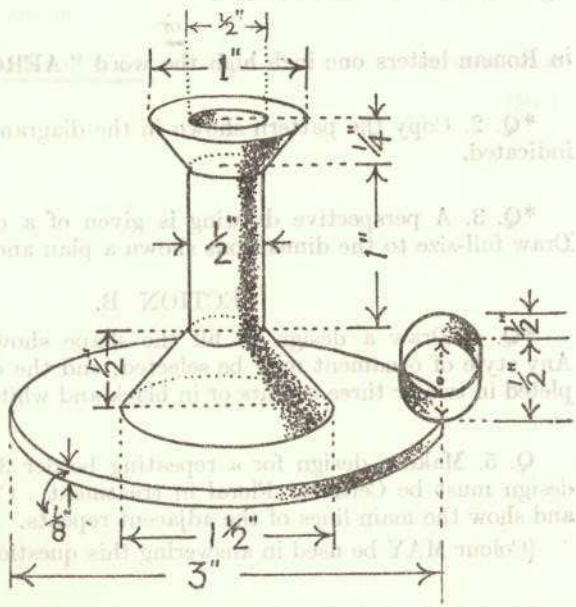
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Q.2.



Q.4.



Q.3.

Q. 6. Make a design to occupy a rectangle 4 inches by 6 inches (vertical).
The design may be composed entirely of geometric forms, or of geometric and free-hand forms combined, or solely of free-hand. (You may be used in answering this question.)