

AN ROINN OIDEACHAIS

(Department of Education).

LEAVING CERTIFICATE EXAMINATION, 1961.

ART AND DRAWING.

MECHANICAL DRAWING AND DESIGN.

HONOURS

THURSDAY, 15th JUNE.—AFTERNOON, 2.30 TO 4.30.

INSTRUCTIONS.

- (a) Candidates may take Section I or Section II but *not both*.
- (b) The use of drawing instruments and tracing paper is allowed. Materials such as potatoes, corks, sponges, twigs, rags, pieces of cardboard, may also be used.
- (c) The number of the question must be distinctly marked by the side of the answer.
- (d) Questions marked (*) have accompanying diagrams.

SECTION I.—[100 marks.]

ONE QUESTION ONLY TO BE ATTEMPTED.

1. Draw a design for a strip poster, 6" × 14" (horizontal), to advertise one of the following: "Prize Bonds"; "Safety First"; "Burn Turf".
2. Draw a design for a square tablemat, 8" side. The design should be suitable for embroidery, weaving, or fabric printing.
3. Make a design for a hanging sign to be placed over the door of one of the following:—(a) a Sports Shop; (b) a Book Shop; (c) a Flower Shop.
4. Draw a design for a carpet based on a repeating pattern. The design should be suitable for a sitting room the general colour scheme of which is grey and pale yellow.

SECTION II.—[100 marks.]

THREE QUESTIONS ONLY TO BE ATTEMPTED.

[All questions carry equal marks.]

*1. The drawing shows the plan and elevation of a lampshade. Make a development of it according to the dimensions shown.

*2. Draw the diagram to the given dimensions. Show the constructions for determining the centres of the circular arcs.

*3. Draw the diagram to the dimensions given.

4. Draw a pattern using interlocking arcs to fill a circle. Radius of circle, 3".

5. Inscribe eight equal circles in a square of 6" side, each circle to touch one side of the square and two other circles.



