

AN ROINN OIDEACHAIS

(Department of Education).

LEAVING CERTIFICATE EXAMINATION, 1961.

ART AND DRAWING.

MECHANICAL DRAWING AND DESIGN

PASS

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 Pram Cover, 3 feet by 2 feet. The design should be suitable for embroidery, applique, or weaving. Complete as much as possible of the design.
2. Draw a design for a poster to advertise one of the following:—(a) "Knitting Wools"; (b) "Artists' Colours" or (c) "Pantomime". Complete as much as possible of the design in colour.
3. Design the cover for a children's book, 9"×7", dealing with one of the following subjects:—(a) Trees; (b) Birds; (c) Flowers; (d) Fishes.
4. Draw a notice, 14"×10" (horizontal), announcing a school concert. The following wording should be used:—"Come to the School Concert 8 p.m. Friday, 10th June".

SECTION II.—[100 marks.]

THREE QUESTIONS ONLY TO BE ATTEMPTED.

[All questions carry equal marks.]

*1. The diagram represents a chisel handle. Draw the diagram full size to the dimensions given (circles touching circles).

*2. Draw the mirror frame shown in the diagram according to the given dimensions.

*3. A drawing is shown of a machine part. Draw a plan, and elevation full size to the dimensions given.

4. Draw a geometric pattern to fill a pentagon $3\frac{1}{2}$ " sides.

5. In an equilateral triangle of 6" side inscribe three equal circles. Each circle should touch two sides of the triangle and the other two circles.



