

## AN ROINN OIDEACHAIS

INTERMEDIATE CERTIFICATE EXAMINATION, 1963.

ART AND DRAWING.

MECHANICAL DRAWING AND DESIGN.

MONDAY, 17th JUNE.— Morning, 10 to 12.

## INSTRUCTIONS.

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

## SECTION I.—(100 marks.)

## ONE QUESTION ONLY TO BE ATTEMPTED.

- Make a pattern suitable for a tablecloth. Complete as much of the pattern as will show the general effect.
- Design the cover of a book on one of the following subjects:—
  - Camping out.
  - Games.
  - Cooking.

The design should be not less than 8 inches by 10 inches (upright).
- Make a design for the top of a box 12 inches by 7 inches, to hold toy building blocks. The word "Blocks" should be included.
- Make a pattern to fill a circle or square. The pattern may be based on natural forms but it is recommended that a naturalistic treatment should be avoided. Work as large as possible.

- Make a design for a Christmas card. Lettering may be included but is not essential. The design should be at least twice as large as the actual card.

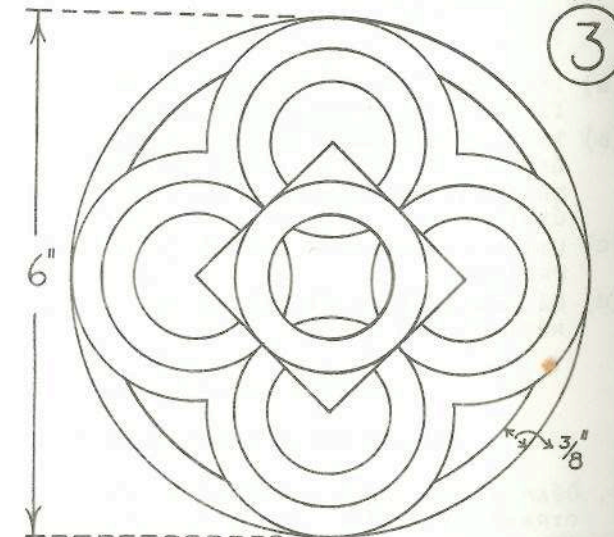
(For diagrams ① and ②, see over.)

## SECTION II.—(100 marks.)

## THREE QUESTIONS ONLY TO BE ATTEMPTED.

(All questions carry equal marks.)

- \*1. Draw a plan and elevation of the machine part shown, full size according to the dimensions given.
- \*2. Draw the regular five-pointed star shown according to the dimensions given.
- \*3. Draw the pattern shown according to the dimensions given.
4. Draw a square of  $2\frac{1}{2}$  inches side. On each side of the square draw a rectangle  $2\frac{1}{2}$  inches by  $1\frac{3}{4}$  inches and make a pattern to fill the whole shape.
5. Construct a scale of  $1\frac{3}{8}$  inches to 1 foot to show feet and inches and to read 7 feet. Using this scale draw a line to measure 5 feet 10 inches long. The scale should be neatly lettered and numbered.



Α Ν Ρ Ο Ι Η Η Ο Ι Θ Ε Α Ç Α Ι Σ

SCRÚBÚ ΜΕΛΗΤΕΙΣΤΗΜΕΙΡΕΑÇΤΑ, 1963.

ΘΑΛΑΪΝΗ ΑΣΥΣ ΛΪΗΪΟÇΤ.

ΛΪΗΪΟÇΤ ΗΘΙΟΓΗΪΪΝΗ ΑΣΥΣ ΣΡΕΑΣÇÓΡΙΪΪ.

ðÉ ΛΥΑΓΗ, ΜΕΙÇΘΑΪ 17—ΜΑΙΘΗ, 10 ΣΟ ðÇΪ 12.

ÇΟΪΑΪΡΪΪ.

- (a) ΪΣ ÇΕΑð ðΪ ΓΑΡΡÇÓΡΙΪΪ ÇΟÇΑ ΑΣ ΡΟΙΗΗ Ι ΗÓ ΑΣ ΡΟΙΗΗ ΙΙ ΑÇ ΗΪ ÇΕΑð ÇΟÇΑ ΑΣÇΥ ΑΡΑΟΗ.
- (b) ΪΣ ÇΕΑð υΙΡΛΪΣΪ ΛΪΗΪΟÇΤΑ ΑÇΥΣ ΡΙΛΗΪΪΪΪΪΡΕΑΡ Α ΨΣΪΪð. ΪΣ ΡΕΪðΙΡ ΛΪΘΑΙΡ ΜΑΡ ΨΡΆÇΑΪ, ÇΟΡÇΑΗΗΑ, ΜΪΣÇΑΪΗ, ÇΕΙΡÇΕΑÇΑ, ΡΪΟΣΑΪ ðΕ ÇΑΙΡÇÈΛΆΡ, Α ΨΣΪΪð ΛΕΙΣ.
- (c) υΙΪΪΡ ΗΑ ÇΕΙΣÇΕ Α ΣÇΡΪΟð ΣΟ ΣΟΙΛΕΪΡ ΛΕ ΗΑΪΣ ΑΗ ΪΡΕΑÇΡΑ.
- (d) ÇΑ ΛΕΑΡΆΪðΪ ΑΣ ΣΑðΆΪΛ ΛΕ ΗΑ ÇΕΙΣÇΕΑΗΗΑ Α ðΪΪΪΛ ΡΕΪΛÇΪΗ (\* ) ΡΟΜΪΪ.

ΡΟΙΗΗ Ι.—(100 ΜΑΡÇ.)

ΣΑΗ ΑÇ ÇΕΙΣÇΕ ΑΪΪΆΗ Α ðΕΑΗΑΪ.

- 1. ðΕΑΗ ΡΑÇΡΪΪΗ ðΕΑð ΟΙΡΪΪΪΗΑÇ ðΟ ÉΑðΑÇ ðΟΙΡð. ðΕΑΗ ΟΙΡΕΑð ðΕΗ ΣΡΕΑΣ ΑÇΥΣ Α ÇΑΙΣΡΕΛΗΪΑΪð ΑΗ ÇΥΜΑ ΣΪΗΕΑΡΆΛÇΑ.
- 2. ΣΡΕΑΣ Α ðΕΑΗΑΪ Ϊ ΣÇΟΪΑΪΡ ÈΛΪðΑÇ ΛΕΑðΑΙΡ ΡΑΟΙ ΛΪΘΑΡ ΑΪΪΆΗ ðΪΟð ΣΕΟ Α ΛΕΑΗΑΣ:-
  - (a) ÇΑΜΪΆΪΛ ΡΑΟΙΗ ΑΕΡ;
  - (b) ÇΛΥΪÇΪΪ;
  - (c) ÇÓÇΑΙΡΕΑÇΤ.
 ΗΪ ΜÓΡ ðΟΗ ΣΡΕΑΣ Α ðΕΙÇ 8" x 10" (ΪΗΣΕΑΡΑÇ), ΑΡ Α ΛΑΪΑð.
- 3. ΣΡΕΑΣ Α ðΕΑΗΑΪ Ϊ ΣÇΟΪΑΪΡ ðΑΡΡ ðΟΣÇΑ 12" x 7" ΛΕ ΗΑΪΑΪð ðΛΟΙÇΪΗΪ ÇÓÇΆΛΑ ðΡΕΑÇΑΪΗ. ΗΪ ΜÓΡ ΑΗ ΡΟÇΑΛ "ðΛΟΙÇΪΗΪ" ðΪ ΨΣΪΪð.
- 4. ΣΡΕΑΣ Α ðΕΑΗΑΪ ΛΕ ÇΙΟΡÇΑΛ ΗÓ ÇΕΑΡΗÓÇ Α ΛΪΟΗΑð. ΪΣ ΡΕΪðΙΡ ΑΗ ΡΑÇΡΪΪΗ Α ðΥΪΪ ΑΡ ðΪΛÈΡΟÇΑΗΗΑ ΑÇ ΜΟΛÇΑΡ ÇÓΙΡΪΟÇΤ ΗΛðΪΡΑΪΟÇ Α ΣΕΑÇΑΪΗÇ. ΑΗ ΟðΑΙΡ Α ðΕΙÇ ÈΟΪ ΜÓΡ ΑÇΥΣ ΪΣ ΡΕΪðΙΡ.

5. ΣΡΕΑΣ Α ðΕΑΗΑΪ Ϊ ΣÇΟΪΑΪΡ ÇΆΡÇΑ ΗΟΙΛΑÇ. ΪΣ ÇΕΑðΑΙÇΕ ΛΙÇΡΕΟΙΡΕΑÇΤ Α ÇΥΡ ΪΣÇΕΑð ΑÇ ΗΪΛ ΣÉ ΡΙΑÇÇΑΗΑÇ. ÇΑΙÇΪΪð ΑΗ ΣΡΕΑΣ Α ðΕΙÇ ðΆ υΑΙΡ ÈΟΪ ΜÓΡ ΛΕΙΣ ΑΗ ΣÇΆΡÇΑ ΡΕΪΗ ΑΡ Α ΛΑΪΑð.

(ΡΕΑÇ ΛΕΑΡΆΪð 3 ÈΑΛΛ.)

ΡΟΙΗΗ ΙΙ.—(100 ΜΑΡÇ.)

ΣΑΗ ΑÇ ÇΡΪ ÇΘΙΣÇ Α ðΕΑΗΑΪ

(ΑΗ ΛΥΑÇ ÇΕΑΗΗΑ ΑΡ ΣΑÇ ÇΕΙΣÇ.)

- \*1. ðΟΗÈÈÓ ΑÇΥΣ ΪΗΣΕΑΡÈÈÓ ΑΗ ΡΪΟΣΑ ΪΗΗΙΛ Α ÇΑΙΣΡΕΛΗÇΤΑΡ Α ÇΑΡΡΑΪΗÇÇ ΪΗΑ ΛΪΗΪÈΪð ðΕ ΡΕΪΡ ΗΑ ðÇΟΙΣΪ ΑÇΑ ðΡΕΑÇΤΑ ΑΙΡ.
- \*2. ΜΑÇΑΣΑΪΑΪΛ Α ðΕΑΗΑΪ ðΕΗ ΡΕΑΛÇΑ ÇΪΪΣðΕΑΗΗΑÇ ΡΙΛΛÇΑ Α ÇΑΙΣΡΕΛΗÇΤΑΡ ðΕ ΡΕΪΡ ΗΑ ðÇΟΙΣΪ ΑÇΑ ðΡΕΑÇΤΑ υΙΡÇΪ.
- \*3. ΜΑÇΑΣΑΪΑΪΛ Α ðΕΑΗΑΪ ðΕΗ ΡΑÇΡΪΪΗ Α ÇΑΙΣΡΕΛΗÇΤΑΡ ðΕ ΡΕΪΡ ΗΑ ðÇΟΙΣΪ ΑÇΑ ðΡΕΑÇΤΑ ΑΙΡ.
- 4. ÇΑΡΡΑΪΗÇÇ ÇΕΑΡΗÓÇ, 2½" Ϊ ΗΣΑÇ ΣΛΙΟΣ. ΑΡ ΣΑÇ ΣΛΙΟΣ ðΕΗ ÇΕΑΡΗÓÇ ÇΑΡΡΑΪΗÇÇ ðΡΟΪΪΛΛΕΟÇ 2½" x 1¼" ΑÇΥΣ ðΕΑΗ ΡΑÇΡΪΪΗ ÇΥΗ ΑΗ ΣΡΆΣ ΪΟΜΛΆΗ Α ΛΪΟΗΑð.
- 5. ΣÇΆΛΑ Α ÇΑΙΣΡΕΛΗΪΑΪð ΪðΙΡ ÇΡΟΙÇΕ ΪΣ ΟΡΛΑΪ ΑÇΥΣ 7 ðÇΡΟΙÇ ΛΕ ΛΕΑΪΗ ΑΙΡ Α ÇÓÇΆΪΛ ðΕ ΡΕΪΡ 1½" ΟΡΛΑÇ ΪΗ ΑΪΑΪð ΣΑÇ ÇΡΟΙÇΕ. ΑÇΥΣ ΑΗ ΣÇΆΛΑ ΣΪΗ ΪΗ ΨΣΪΪð ΑÇΑÇ, ÇΑΡΡΑΪΗÇÇ ΛΪΗΕ Α ÇΑΙΣΡΕΛΗΪΑΪð 5 ÇΡΟΙÇ 10 Η-ΟΡΛΑÇ ðΪΪΑð. ΗΪ ΜÓΡ ΑΗ ΣÇΆΛΑ ðΕΙÇ ΛΙÇΡΙÇΕ ΪΣ υΙΪΗΡΙÇΕ ΛΕ ΣΛΑÇΤ.

