

AN ROINN OIDEACHAIS

LEAVING CERTIFICATE EXAMINATION, 1970
ART AND DRAWINGMECHANICAL DRAWING AND DESIGN
Honours

MONDAY, 22nd JUNE - MORNING, 9.30 to 11.30

INSTRUCTIONS

- Candidates may take Section I or Section II but not both.
- The use of drawing instruments and tracing paper is allowed. Printing and pattern making materials may be used.
- The number of the question must be distinctly* marked by the side of the answer.
- Questions marked (*) have accompanying diagrams.

SECTION I - (100 marks)

ONE QUESTION ONLY TO BE ATTEMPTED

- Design a poster for one of the following:-
Design Centre; Music Festival; Join the Army.
Include such lettering as you consider appropriate.
Work as large as possible.
- Within a rectangle 14" x 9" make an abstract composition suitable for execution in a craft.
Your design should be based on one of the following:
Spring; Solemn Music; Flight; Woodland.
- Make a colourful pattern suitable for a fancy wrapping paper or a girl's dress material. Use any suitable Technique. Complete as much as possible.
- Design a cover for any book you have read.
The design should be not less than 9" x 7" and suitable for execution as a lino-cut, screen print or with stencils.

5. Draw with lettering pen, pens, or brush, the title page for a book. The lettering is as follows:-

FRANCIS BACON

Selections

With Essays by Macaulay & S. R. Gardiner.

Edited by P.E. & E.F. Matheson

Oxford

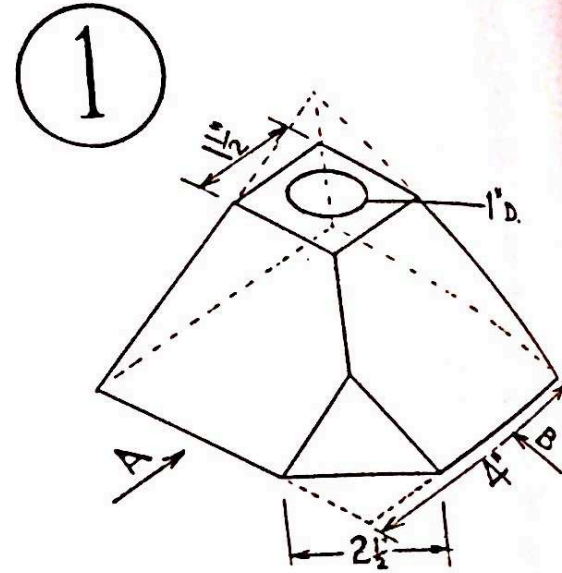
At THE CLARENDON PRESS.

The size of the page should be not less than 7½" x 5".

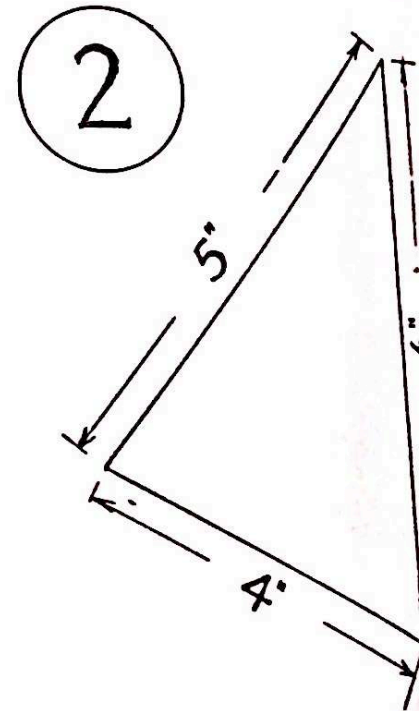
SECTION II - (100 marks)

THREE QUESTIONS ONLY TO BE ATTEMPTED
(All questions carry equal marks)

*1. The diagram shows a small lamp-shade. It is formed from a truncated right square pyramid 4" high to apex perpendicular height, with one corner cut away vertically from the base. Draw a front elevation in the direction of the arrow A, and an end elevation in the direction of the arrow B, and a plan. Draw a complete development of the lamp-shade.



*2. Draw the triangle shown in the diagram according to the dimensions given. Show by construction how you would draw the largest possible circle within this triangle. Dimension the diameter of the circle.



*3. The development of a scoop is shown in the diagram. Draw a front elevation and an end elevation and a plan of the completely folded scoop according to the dimensions given.

*4. The diagram shows details of a funnel. Draw a front elevation, in the direction of arrow A, an end elevation in the direction of arrow B, and a plan. The flat plane X is parallel to the axis.

5. Seven hexagonal tiles of 1½" sides are placed edge to edge to form a central pattern on a circular tray. A plain border ¾" wide is then drawn around this design to complete the tray. Draw a plan full size.

ΑΝ ΡΟΙΗΗ ΟΙΘΕΑΔΑΙΣ

SCRÚDÚ ARDTEIΣTOMÉIREAΔETA, 1970
EALAIH AΣUS IHHOCT

IHHOCT HEOIHTHÚI AΣUS EPÉAΣCÓIPIH
OHÓPACA

DE IYAIH, HEOIΘEAIH 22 - HAIHNIH, 9.30 ZO DEI 11.30

TPEOPACA

- (A) IS CEADAIΘE B' IARRÉDOP I TOΞAΘ AP ROIH I HÓ AS ROIH II, AΔ HÍ CEADAIΘE DÓIB TOΞAΘ AΣTU APAON.
- (B) CEADAIΘEAP YIPIH IHHOCTA AΣUS HIAHÁIPEAP A YSIYIB. IS FEIBOP HÁIOP PPIOTÉIHA AΣUS HÁIOP DEAIHTA PATPIH A YSIYIB.
- (C) HÍ HÓP YIPIH H A CEIOTE A SCPIΘ ZO COIÉIPI I E HAI A H PPEAΣPA A HÁIHTH IÉI.
- (D) SAHAIH IÉAIHIB I EIS H A CEIOTEAIH A ΘPIYI REIETH (*) ROMPI.

ROIHH I - (100 HAPC)

SAH AΔ CEIOT AIHÁIHH A ΘÉAIHAIH

1. EPÉA A EPAPPIHTE DO PÓCTAEP DO CEAIH AIHÁIHH ACY SEO A IEAHAC
EPÉAIOTAI; FEIÁ CEOI; TEIΞ ICEAΔ SAH AIH.
2. IAOΘ ICEIΞ DE ΘPOHUIIIEOΞ, 14" x 9", CPYÉAIΞ EPÉAC TEIPI A ΘEIΘ OIPIHAIΔ DO CEAPDAIΘCT EYIHOH. HÍ HÓP DO EPÉAC A ΘYHÚ AP CEAIH AIHÁIHH ACY SEO A IEAHAC:-
AI TEAPAC; CEOL SOLLIHTA; TEIΘEAI; TAIH COIIE.
3. DEAIH PATPIH IYDAIOTE A ΘEAI OIPIHAIΔ DO PÁIPEAP HAIPEAI DEAPCÁH HÓ B' HÁIOP ZYHA CAIPIH. DAIH YSIYIB AS TEIHTIC OIPIHAIΔ AP BIÉ. DEAIH OIPEAI AΣUS IS FEIBOP DE.
4. EPÉAC A ΘÉAIHAIH DO ÉIYDAI IEAΘAI AP BIÉ AΔ IÉIOTE AΣAT. HÍHOC ÉÓIOP DOH EPÉAC A ΘEIT HÍHOC IY HÍ 9" x 7" AΣUS HÍ HÓP DÓ A ΘEIT OIPIHAIΔ DO IHHOCTEAPAI, DO PPIOTÉIHI HOGAIHA, HÓ DO CTIOTSAI.

5. EPAPPIHTE I E PEAIH, HÓ I E PIHH IICEOIPPEAΔETA, HÓ I E SCYAB, AI IEAHAIΔ CEIPII DO IEAΘAP. TA HA IICEPEAΔA HAP A IEAHAC:-

I EAΘAP SEAIH I COHAI I SCÉAIHA AΣUS SEAIHOC Ó IΘ RÁIAC. SEAIHOC Ó OUII EAPZA DO SCPIΘ AΣUS DO ÉYIPI H EAIΔAIPI HAIIE I E REAIHAI AΣUS HÓCTAI ΘPIH AΣUS Ó HAIIÉIHH CTI. SAH HÉIPI AI IEAHAIHAIΞ A ΘEIT HÍHOC IY HÍ HÍ 7½ x 5".

ROIHH II - (10 HAPC)
SAH AΔ CTI CEIOT A ΘÉAIHAIH
(TA AI HAPC CEAIHAI AΣ BIYI DO ZAI CEIOT)

- *1. EPAPPIHTEAP SCÉIHH DEAZ IAMPY SA IÉAIHAI. ΘÉAIHTAP É AS PIPIHIB I EACCTA ΘPOHUIIIEAI A ΘPIYI AIPIE HPEZPAΔ 4" AIPI ZO CTI A CTYAI AΣUS COIPIHAI AIHÁIHH EPAPPIHTA AIHAI ZO CEAPTEHPEAPC ÓH HPOHH. EPAPPIHTE AΞAIΘÉIÓ I DEPEO HA SAIΞBE A AΣUS SIIOCÉIÓ I DEPEO HA SAIΞBE B HAIIE I E BOHÉIÓ. EPAPPIHTE FORBAIPI IOMPIH DEH SCÉIHH IAMPY.
- *2. EPAPPIHTE AI EPAPPIHTE A EPAPPIHTE SA IÉAIHAI DE REIPI HA DEOIS A EYCTAP. EPAPPIHTE CTI ÉDZAI COHAC A EPAPPIHTEOPAI AI CIOPCAL IS HÓ IS FEIBOP A ΘÉAIHAI IAICTIΞ DEH EPAPPIHTE SEO. PAIΞ PAB EPACOTHIAC AI CIOPCAL.
- *3. EPAPPIHTEAP FORBAIPI SCYIP SA IÉAIHAI. EPAPPIHTE AΞAIΘÉIÓ, SIIOCÉIÓ AΣUS BOHÉIÓ AI SCYIP AΣUS É PIITE ZO HIOPIHH DE REIPI HA DEOIS A EYCTAP.
- *4. EPAPPIHTEAP SOPAI POISÉIPI SA IÉAIHAI. EPAPPIHTE AΞAIΘÉIÓ I DEPEO HA SAIΞBE A, SIIOCÉIÓ I DEPEO HA SAIΞBE B, AΣUS BOHÉIÓ. TA AI HÍ PIHAI COIPIH X COHÉPEOHIAP I EIS AI AIH.

5. I EAYCTAP SEAICT I EACÁH HEOIPEAΞAIHAI A ΘPIYI 1½" HAI SI EASA, CORR I E CORR, I E PATPIH IAIHAI A ΘÉAIHAI AP ÉAIPIPIE CIOPCALC. AIHAIH EPAPPIHTEAP CIYHAIH HEOIHOPIHAI DEAI ¾" AP I EIT EAI CTIPEAI I AI EPÉASA SEO I EIS AI CTIPIPIE A ΘPIOTHI. EPAPPIHTE BOHÉIÓ HAI IHH HÉIPI.

