

LEAVING CERTIFICATE EXAMINATION, 1965
ART AND DRAWING.

M. 81

MECHANICAL DRAWING AND DESIGN.
Honours

SATURDAY, 26th JUNE - AFTERNOON 1.30-3.30

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, rags, pieces of cardboard, may 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. An alphabet book for children allots one whole page to each letter of the alphabet, together with illustrations of appropriate objects. Design any one page of the book. Size of page 12" x 9".

2. Design a poster for one of the following:- A Swimming Gala; A Flower Show; A Motor Show. Appropriate lettering should be included. Work as large as possible.

3. Design a pattern to be used for the cover of a portfolio. The design may be executed with blocks, stencils, free-brush, texturing materials or a combination of any of these. Complete as much as possible.

4. Design a lino-cut for the cover of a theatre programme for any well known play. Lettering need not be included in the design but you should state the name of the play. Size of the programme 11" x 8".

5. Write, or letter, the following verses, using lettering pens, on a sheet of paper not less than 10 inches by 8 inches.

The Cherry Tree.

Loveliest of trees, the cherry now
Is hung with bloom along the bough,
And stands about the woodland ride
Wearing white for Eastertide.

Now, of my three score years and ten,
Twenty will not come again,
And take from seventy springs a score,
It only leaves me fifty more.

And since to look at things in bloom,
Fifty springs are little room,
About the woodlands I will go
To see the cherry hung with snow.

A. E. HOUSEMAN.

SECTION II.- (100 marks)
THREE QUESTIONS ONLY TO BE ATTEMPTED.)
(All questions carry equal marks)

* 1. The plan and elevation of a square pyramid are shown at A. Draw these two views according to the dimensions given and then draw the elevation shown at B. From the elevation B project and draw a plan of the pyramid in its new position.

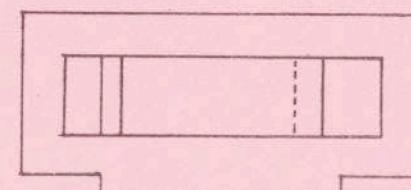
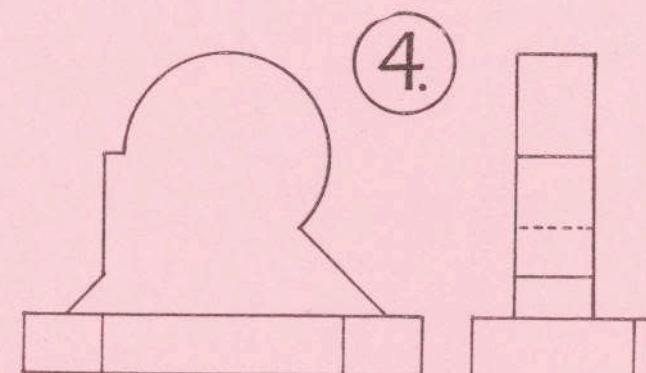
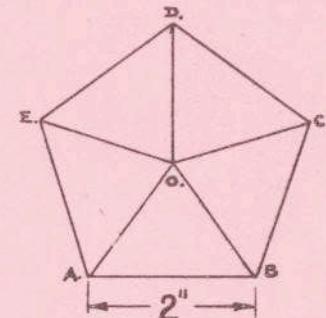
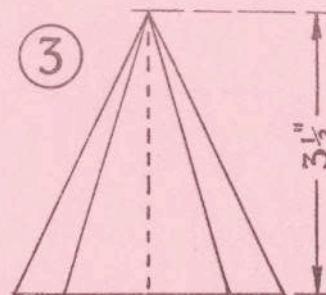
* 2. Draw the shape shown according to the dimensions given. Show all construction lines.

* 3. The plan and elevation of a pentagonal pyramid are shown. Draw the two views full size and develope the surface of the pyramid.

* 4. The diagram shows the elevation, plan and side elevation of a machine part. Make a free-hand pictorial sketch of the machine part in good proportion. Your sketch should be not less than 4" in its greatest length.

5. Design an allover repeating geometric pattern. Complete as much as possible.

(For diagrams 1 and 2 see over)



A N R O I N N O I Ó D E A C A I S

SCRÚDÚ ARBTEISTÍMÉIREACHTA, 1965
EALAÍN ASUS LINÍOFÓC

LÍNÍOFÓC MEICHEAÚIL ASUS SRÉASÓIRIÚ
ONÓRACHA.

DÉ SATAIRN, Meitheamh 26—CRÁTHNÓNA, 1.30-3.30

COMHAIRLÍ

- (a) Is cead b'íARRTÓIRÍ TOSA AS ROIHN I NÓ AS ROIHN II, AC NÍ CEAD TOSA ASTU ARAON.
- (b) Is cead uirlisí LÍNÍOFÓC TA AGUS RIAMPHÁIPÉAR A ÚSÁID. IS FÉIDIR ÁBHAIR MAR PHRÁTAÍ, CORCAIGHA, MÚSCÁIN, CEIRTEAGA, PPOSAS ÓB CHAIRTELÍR B'ÚSÁID LEIS.
- (c) UINÍIR NA CEISTE A SCRÍOÍS GO SOILÉIR LE HAIS AN FHEAGRA A GÁBHANN LÉI.
- (d) TÁ LÉARÁIDÍS FARA NA CEISTEANNA A ÓFUIL RÉILTEÍN (*) ROMPU.

ROIHN I.—(100 MARC.)

SAN AC CEIST AMÁIN A ÓÉANAH

1. AR GAÉ LEATÁNAÍD BE LEABHAR AIBÍSTEIR BO PHÍSTÍ TÁ LÍTÍR AMÁIN DÉN AIBÍSTEIR MARAON LE PICTÍÚIR BE RUDBAIS EUS. DÉAN SRÉAS BE AON LEATÁNAÍD AMÁIN AR BÍT DÉN LEABHAR. MHÉAD AN LEATÁNAÍD 12" X 9".

2. SRÉAS A ÓÉANAH I GCOMHAIIR PHÓSTAETHIR BO CHÉANAH AMÁIN DÉN NA HÁBHÁIR SEO A LEANAS:— MÓRTHAISPEÁNTAS SNÁTHA; THAISPEÁNTAS BLÁTÁNHUA; THAISPEÁNTAS SUIMISTEÁNH. BHFOÍ LITREOIREACHT OIRIÚNAÍD AGAT AONN. AN SRÉAS A BÉIT CHON MÓR AGUS IS FÉIDIR.

3. SRÉAS A ÓÉANAH LE HÁGAIÓD PATRÚÍN LE HÚSÁID AR CLÚBÁD CÁIPÉIS-CHÁIS. IS FÉIDIR AN SRÉAS A ÓÉANAH LE BLOCANNHA, STIONSAIL, SAOR-SCUAB, ÁBHAIR COMHÉANAH, NÓ LE HAON COMHDAONTAÍ ACU. DÉAN OIREAD AGUS IS FÉIDIR BE.

4. SRÉAS A ÓÉANAH I GCOMHAIIR LINNO-SEARRAÓD BO CLÚBÁD CHÁIR ÁMBRACLAINEE LE HÁGAIÓD AON DRÁMA CLÚSTEAD AR BÍT. NÍ GHLEAS LITREOIREACHT B'ÚSÁID SAN SRÉAS AC NÍ MÓR DUÍT AONN AN DRÁMA A BREACAÍS SFOS. MHÉAD AN CLÁIR 11" X 8".

5. SCRÍOÍS, NÓ DÉAN LITREOIREACHT AR NA VÉRSAF SEO A LEANAS, AGUS PIÑN LITREOIREACHTA IN ÚSÁID ÁGAT AR BÍLEOG PHÍPÉIR ATÁ 10 OR. FAOI 8 OR. AR A LÁSÁD.

UAISSNEAC

FUARFEABHÁIL TÉAR
NA GAOISÍS GÉIRE FUAIRE
SFORSEÁIDEADH AR AN SPÉIR,
OC LIOMSA DOB UAISSNEAC.

ARBTORANN NA BTÓNNA
IN ÁGAIÓD NA TRÁ AG BUASLEAD
AN TÁRBEAGHLAÍR ÁI BÉAL ÉROM,
OC LIOMSA DOB UAISSNEAC.

AN FAOI LÉANÍ ÉADROM SAN AER
AG SEARSCREABAÍL TRASNA CUANTA,
SCREABH AGUS GLAO NA H-EÁN
LE MO CHROF FÉIN, OC B'UAISSNEAC!

AN CRAOÍSÍN AODAÍNN.

ROIHN II.—(100 MARC.)
SAN AC TRÍ CEIST A ÓÉANAH.
(AN LUAC CÉANHA AR GAÉ CEIST)

* 1. TÁISPEÁNTAR BONHÉLÓ AGUS INGEARCLÓ BE PHÍRIMÍD CHAIREOGHÁC AG A. TARRAING AN DÉN ÁMBRAC SIN BE RÉIR NA BTÓISÍ ATÁ BREACTA ORTU AGUS ANSIN TARRAING AN T-INGEARCLÓ A THAISPEÁNTAR AG B. ÓINGEARCLÓ B DÉAN FORTEILGEAN AGUS TARRAING BONHÉLÓ DÉN PHÍRIMÍD INA TONAD HUA.

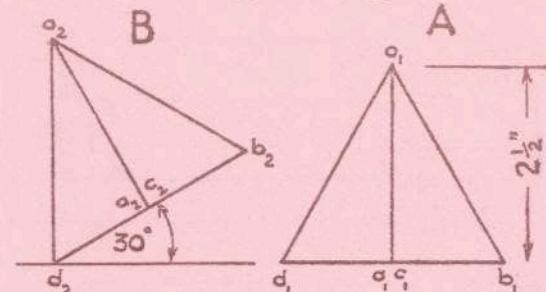
* 2. MACASAMHAÍL A ÓÉANAH DÉN CHUMA A THAISPEÁNTAR BE RÉIR NA BTÓISÍ ATÁ BREACTA UIRTEÍ. NÍ MÓR DÉN LÍNTÉ TGDÁLA GO LÉIR A THAISPEÁINT.

* 3. THAISPEÁNTAR BONHÉLÓ AGUS INGEARCLÓ BE PHÍRIMÍD CHÚIGÉLEASAÍC. TARRAING AN DÉN ÁMBRAC SIN INA LÁNPHÉID AGUS DÉAN FORBAIRT AR ÓROMGHLA NA PHÍRIMÍDE.

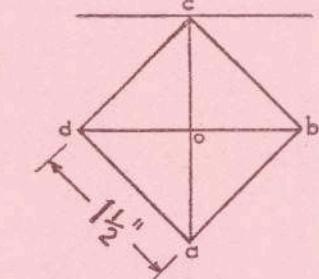
* 4. THAISPEÁNTAR INGEARCLÓ, BONHÉLÓ AGUS SLÍOSCLÓ BE CHUN DÍNHÉAIL SAN LEARÁID. DÉAN SCEITSE SAORLÍNÍOFÓC PICTÍÚRCA I GCOMHNEAS CUF DÉN CHUN DÉN INNHÉAIL AGUS SAN BO SCEITSE A BÉIT NHOS LÚ NÍ 4" SA ÓFUIL IS MÓR.

* 5. SRÉAS A TARRAINGT LE HÁGAIÓD SAMHLAÇAIS ÁTSOMPLAÍS LOMHALÁIN GEOMHÉADRÚIL. DÉAN OIREAD BE AGUS IS FÉIDIR.

(FÉALC LÉARÁIDÍ (3) AGUS (4) CHAIL)



1.



2.

