

AN ROINN OIDEACHAIS

LEAVING CERTIFICATE EXAMINATION, 1969
ART AND DRAWING

MECHANICAL DRAWING AND DESIGN
Honours

MONDAY, 23rd 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

1. Design a book-jacket for a book on one of the following:-

- Motor Racing, (b) Pottery, (c) The Holy Land, (d) The Vikings.

The size of the front cover should be not less than 8" in its longest dimension. The book is about $1\frac{1}{2}$ " thick.

2. Design a poster to advertise one of the following:-

- Any play, or film, you have seen during the past year,
- A sea-side resort of your own choice.

Size 15" by 20" either upright or horizontal.

Appropriate lettering should be incorporated in your design.

3. Design a tray cloth 9" by 15" to be carried out in embroidery on block-printing. Work full size. State the technique for which your design would be suitable.

4. Design a wrapping paper for Christmas presents. Complete as much of the pattern as will show the general effect of the pattern.

5. Draw with a lettering pen, or pens, the following:-

PROCLAMATION 1916

"The Irish Republic is entitled to, and hereby claims, the allegiance of every Irishman and Irishwoman. The Republic guarantees religious and civil liberty, equal rights and equal opportunities to all its citizens, and declares its resolve to pursue the happiness and prosperity of the whole nation and of all its parts, cherishing all the children of the nation equally."

SECTION II - (100 marks)

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

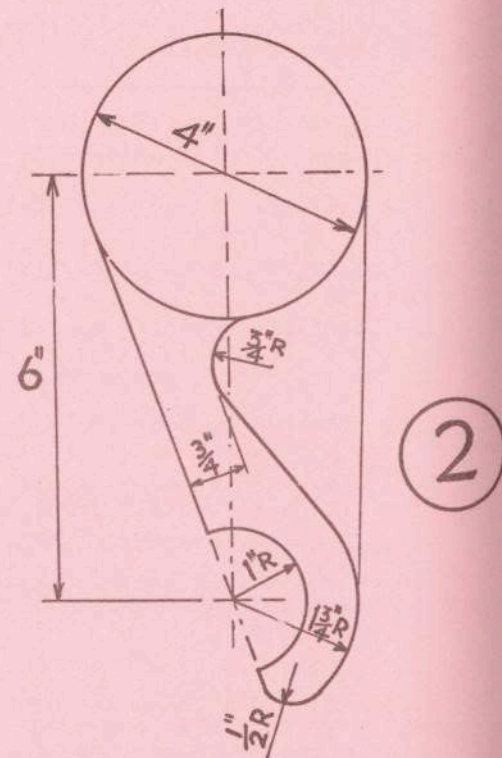
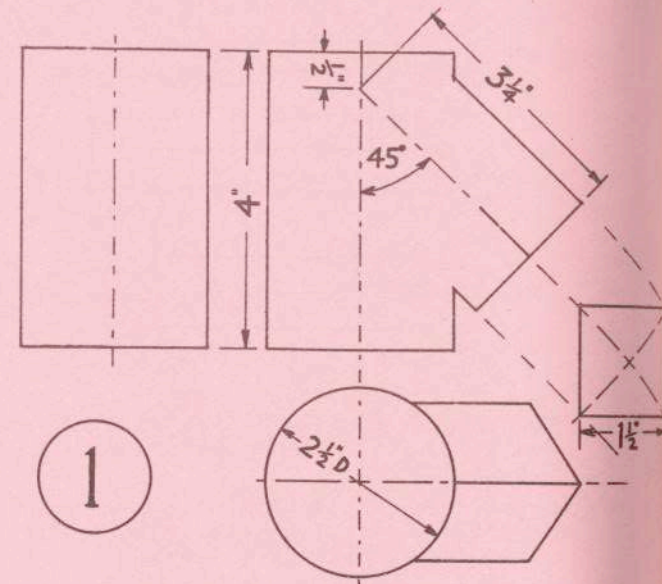
*1. The drawing shows a plan and two incomplete elevations of the joint between two pipes, one circular and the other square in cross-section. Draw these views according to the dimensions given, and complete the two elevations.

*2. Draw the figure shown according to the given dimensions. Method of finding the points of contact for tangents must be shown.

*3. The plan and elevation of a regular hexagonal pyramid are given in the diagram. The pyramid is cut into two parts by an inclined plane TT. Draw a development of the frustum (i.e. the portion 'A' below the cutting plane).

*4. Copy the two views of the bracket shown in the diagram, drawing them freehand and making them about 3" wide by $3\frac{1}{2}$ " high. Add (a) a plan indicating all hidden details, and (b) a pictorial view of the bracket.

5. In a regular hexagon (5" diagonals), draw a geometrical pattern or decorative ornament appropriate to the shape.



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SCRÚDÚ ARDCEISTUIMÉIREACHTA, 1969
EALAINN AGUS IGHFOCT

Ighfoct Meicniúil Agus Sreascóiríú
Ondrača

bé luain, meicéan 23 - maiúin, 9.30 go dtí 11.30

CRÉTORAČA

- (A) Is ceadaíte do 'iarrtóirí tosaí as Róihh I nó as Róihh II, ac ní ceadaíte dóib tosaí aspu araon.
- (b) Ceadaítear uirlisí Ighfocta agus rianpáipéar a úsáid. Is féidir léidir príonctála agus léidir béancta patrúin a úsáid.
- (c) Ní mór uirlis na ceiste a scríob go soiléir le hais an freagra a gábhann léi.
- (d) Sábann léaráidí leis na ceisteanna a bfuil réiltín (*) rompu.

Róihh I - (100 marc)
San ac ceist amháin a bdeann

1. Sreás a bdeann do fórcéidid leáidair faoi ceann amháin acu seo a leanas:-
- (a) Rásaf mótar, (b) potaireacht, (c) An talamh naora, (d) na huilgíngí.

Ná bfuil méid an céididí tosaí níos lú ná 8" san fáid is mó. Tá an leáidair éire ar 1 1/2" ar tiús.

2. Sreás a bdeann do póstaer le ceann amháin acu seo a leanas a fógaire:-

- (i) Dráma, nó scannán, ar bít a éonaic tú i rít na bliana seo caite,
 - (ii) Daile saoire cois trá - do roga féin.
- Bfuil sé ina seasaí cruiúin díreac nó cotrománac agus é 15" faoi 20". Ní mór an iatceoireacht éif a éur isteach sa sreás.

3. Sreás a bdeann do éadaí tráidire 9" faoi 15" acá le cur i scríó i mbróidheireacht ar díocprionctáil. Bfuil an sreás ina léidid. Luais an ceicfoct a oirreac do sreás bí.

4. Sreás a bdeann do páipéar beartán le haíad bróictanas nollas. An oiread den patrún a érfóidh agus a taispeánfaid coraó zinearálta an patrúin.

5. Carrainc é seo a leanas le peann nó le pinh iatceoireacht:-

FORÓSRA 1916

"Dlíonn poblaict na héireann, agus éilfionn sí leis seo, zéillsiúne ó mhúictir uile na héireann, ibir fúir agus mhá. Rálfionn an poblaict saoirse éreidíh agus saoirse éibialta, coméarta agus coméiseanna dá saoráidíh uile, agus beartálfionn sí zurb é a rúh séan agus sonas a lorg don náisiúh uile."

Róihh II - (100 marc)
San ac trí ceist a bdeann
(An marc céanna ar zac ceist)

*1. Sa léaráid taispeántar bonhóid agus dá ingearóid neamhómlána den alc ibir dá pfoa, ceann amháin acu éireclac agus an ceann eile ceannaic ina éraséarraic. Carrainc na élíhha de réir na dtóisí a ézctar, agus érfóidh an dá ingearóid.

*2. Carrainc an pfoa a taispeántar de réir na dtóisí a ézctar. Ní mór na móbhanna leis na poictí taláil do na taláicé a aimsiú a taispeántar.

*3. Zuctar bonhóid agus ingearóid de púrimid rialta heicseazánac sa léaráid. Searrann plána TT le fáha an púrimid ina dá éuib. Carrainc forbairt an teascé (.i. forbairt na cöda 'A' acá laistios den plána searréa).

*4. Déan cóip den dá éid den érac a taispeántar sa léaráid, agus bfuil siad mar saorlíghoict agus iad timpeall 3" ar leicéad agus 3 1/2" ar airde. Cuir isteach (a) bonhóid a léirfionn na sonraí go léir acá i éfolacé, agus (b) éid píctiúrcá den érac.

5. I heicseazán (sésléasán) rialta (trasán 5"), carrainc patrún zéiméadrac nó orháid náisiúil a éuib oirúhac don érué.

