



Leaving Certificate Examination, 2024

Engineering - Practical
(150 marks)

Morning: 10:00 to 1:00 - Afternoon: 2:00 to 5:00

Please Read Carefully

Instructions

- (a) The Examination Number must be clearly stamped or engraved, by the **teacher**, on the test-piece in the position indicated on the examination paper - 2024. M74A(L₂).
If the test-piece is not assembled, the Examination Number must be indicated on each separate part of the test-piece.
- (b) Candidates are not permitted to communicate with or assist one another.
- (c) Write your Examination Number in the box provided on the examination paper - 2024. M74A(L₁).
- (d) Put the examination paper - 2024. M74A(L₁) and the test-piece into the candidate envelope supplied and hand up the envelope to the Superintendent at the end of the examination.

From the materials supplied, make the **Mechanism** shown on the drawings to the shape and dimensions specified.

PART	MATERIAL	PROCESS
2	Brass	Mark out, drill and shape.
3	Aluminium	Mark out, drill and shape.
7	U-Aluminium	Mark out, drill and shape.
10	Clear Polycarbonate	Mark out, drill, tap and shape.

Note: (i) Parts 1, 4, 5, 6, 8 and 9 have been made prior to examination day.
Using the screws supplied assemble the mechanism, as detailed on the assembly drawing.
(ii) **Accuracy, finish and function are important.**



Scrúdú na hArdteistiméireachta, 2024

Innealtóireacht - Praiticiúil
(150 marc)

Maidin: 10:00 go dtí 1:00 - Tráthnóna: 2:00 go dtí 5:00

Léigh na Treoracha seo go cúramach le do thoil

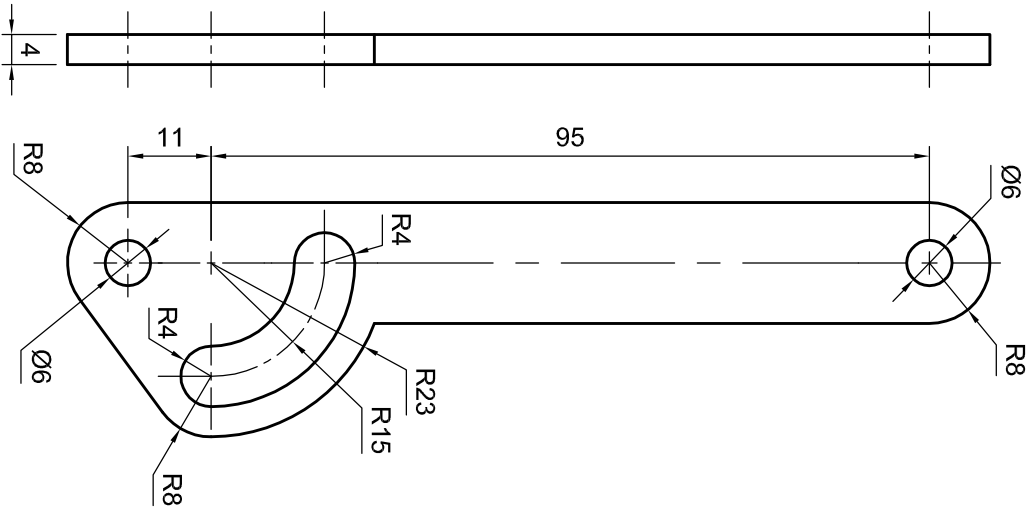
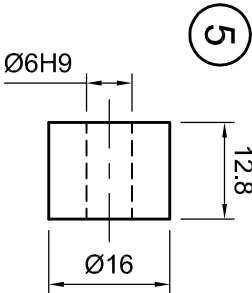
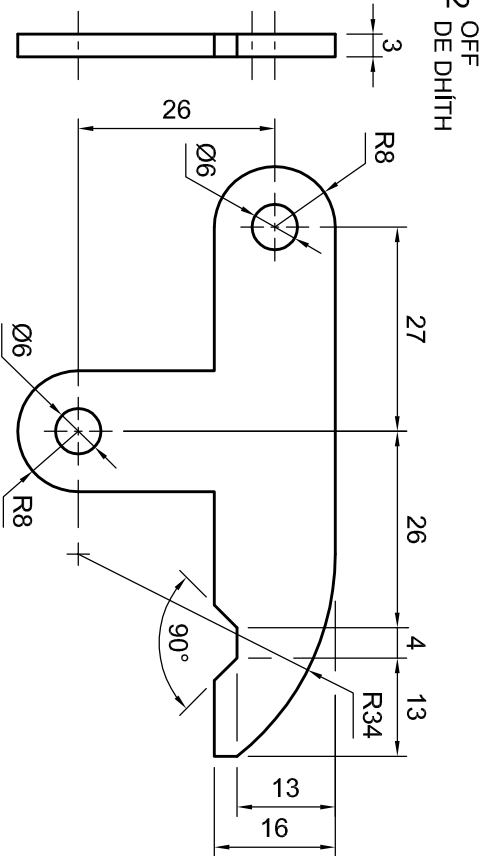
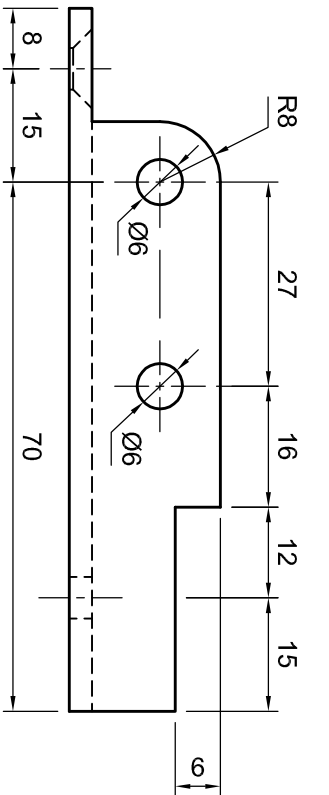
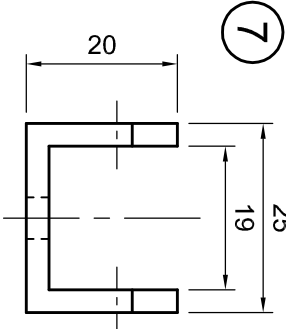
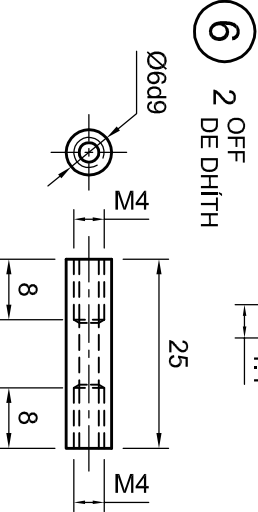
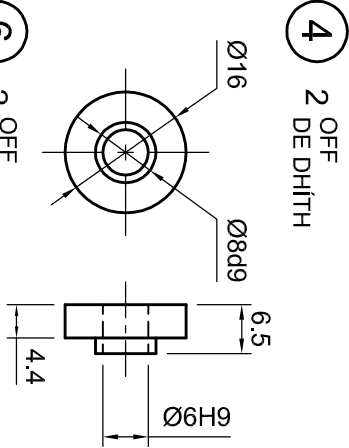
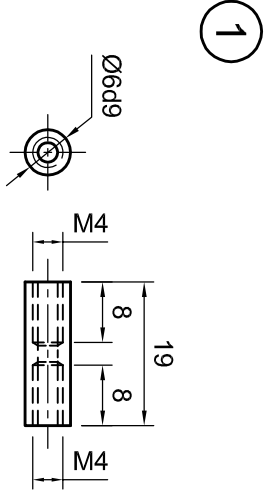
Treoracha

- (a) Ba chóir don **mhúinteoir** Scrúduimhir an iarrthóra a stampáil nó a ghreanadh ar an triailphíosa san ionad a thaispeántar ar an scrúdpháipéar - 2024. M74A(L₂). Mura bhfuil an triailphíosa curtha le chéile, ní mór an Scrúduimhir a thaispeáint ar gach páirt ar leith den triailphíosa.
- (b) Níl cead ag iarrthóirí a bheith i gcumarsáid le chéile ná cúnamh a thabhairt dá chéile.
- (c) Scríobh do Scrúduimhir sa bhosca atá ann di ar an scrúdpháipéar - 2024. M74A(L₁).
- (d) Cuir an scrúdpháipéar - 2024. M74A(L₁) agus an triailphíosa isteach i gclúdach an iarrthóra atá curtha ar fáil agus tabhair an clúdach don Fheitheoir ag deireadh an scrúdaithe.

As na hábhair a sholáthraítear, déan an **Mheicníocht** a thaispeántar sna líníochtaí sa chruth agus sna toisí a shonraítear.

PÁIRT	ÁBHAR	PRÓISEAS
2	Prás	A mharcáil amach, a dhruileáil agus a dheilbhiú.
3	Alúmanam	A mharcáil amach, a dhruileáil agus a dheilbhiú.
7	U-Alúmanam	A mharcáil amach, a dhruileáil agus a dheilbhiú.
10	Polacarbónáit thrédhearcach	A mharcáil amach, a dhruileáil, a tapa agus a dheilbhiú.

- Nóta:** (i) Rinneadh na páirteanna 1, 4, 5, 6, 8 agus 9 roimh lá an scrúdaithe.
Agus tú ag baint úsáide na scriúnna a sholáthraítear, cóimeáil an mheicníocht faoi mar atá sa líníocht chóimeála.
- (ii) Tá tábhacht ag baint le cruinneas, le bailchríoch agus le hoibriú an triailphíosa.

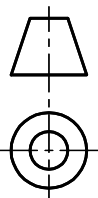
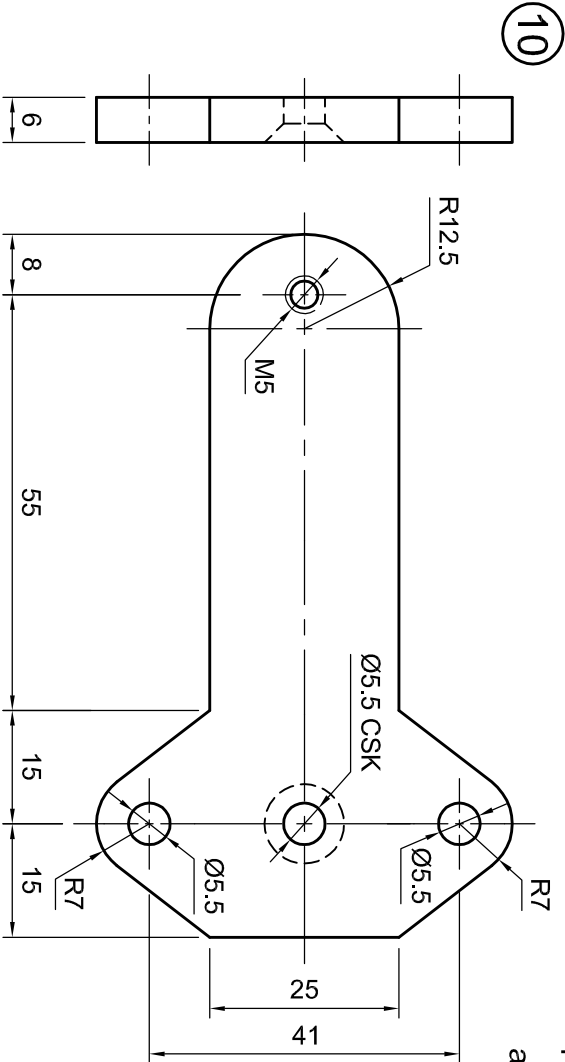
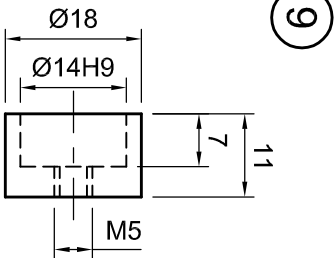
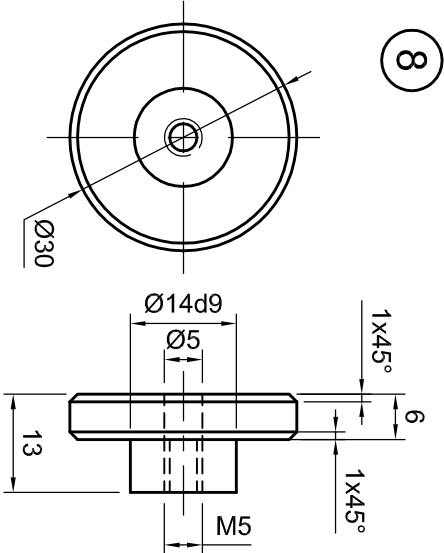


Scríobh do Scrúdaimhir sa bhosca seo:
Write your Examination Number in this box:

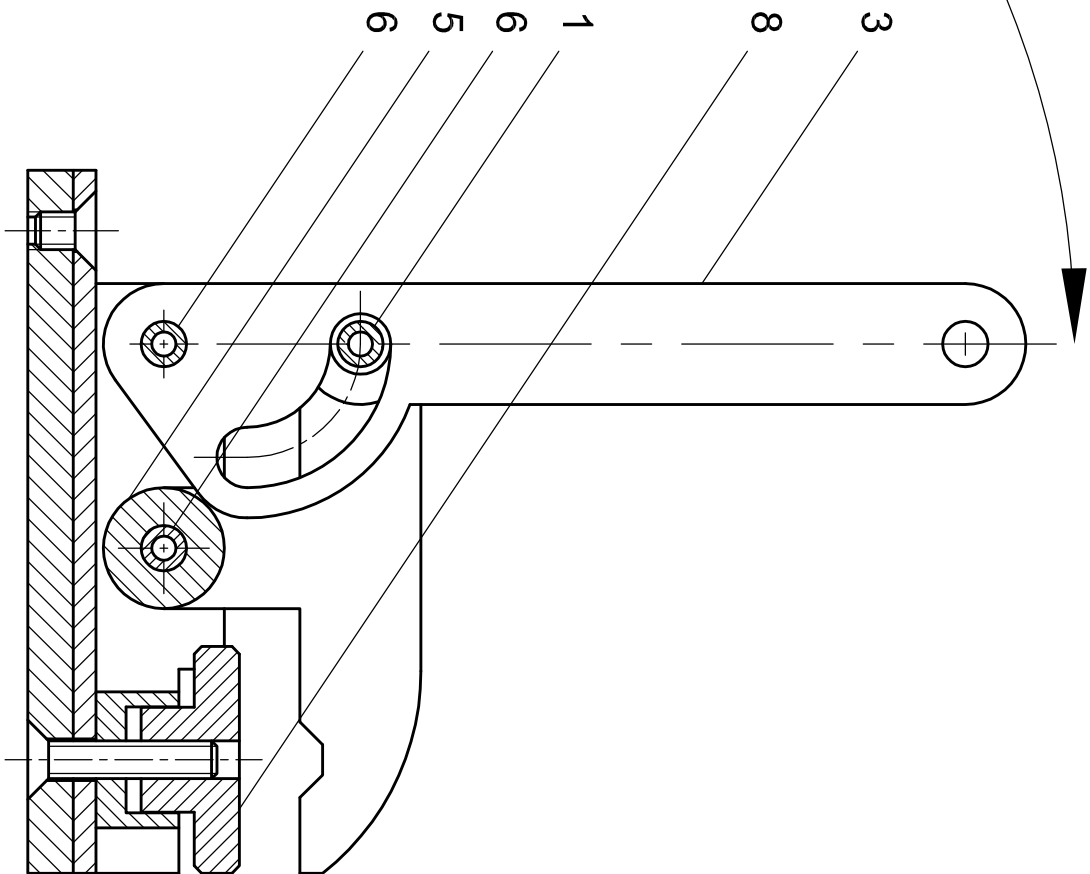
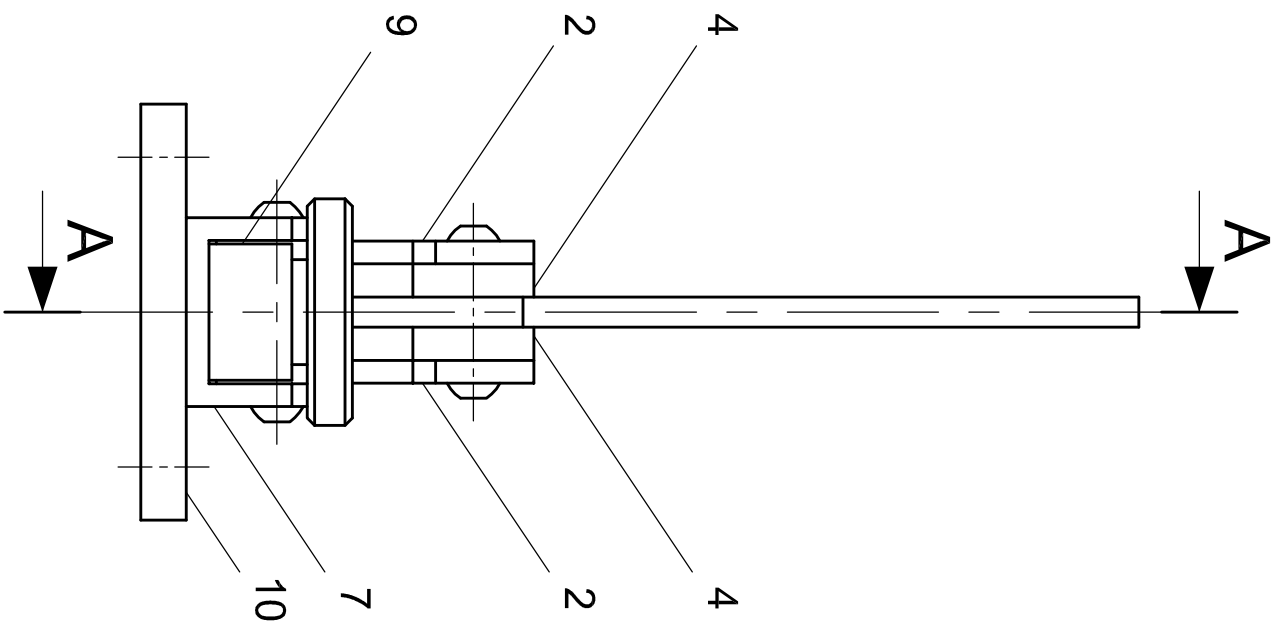


Cuir an scrúdpháipéar seo agus an triailphiosa isteach i gclúdach an iarrthóra
atá curtha ar fáil, agus tabhair an clúdach don Fheidhneir ag deireadh an scrúdaithe.

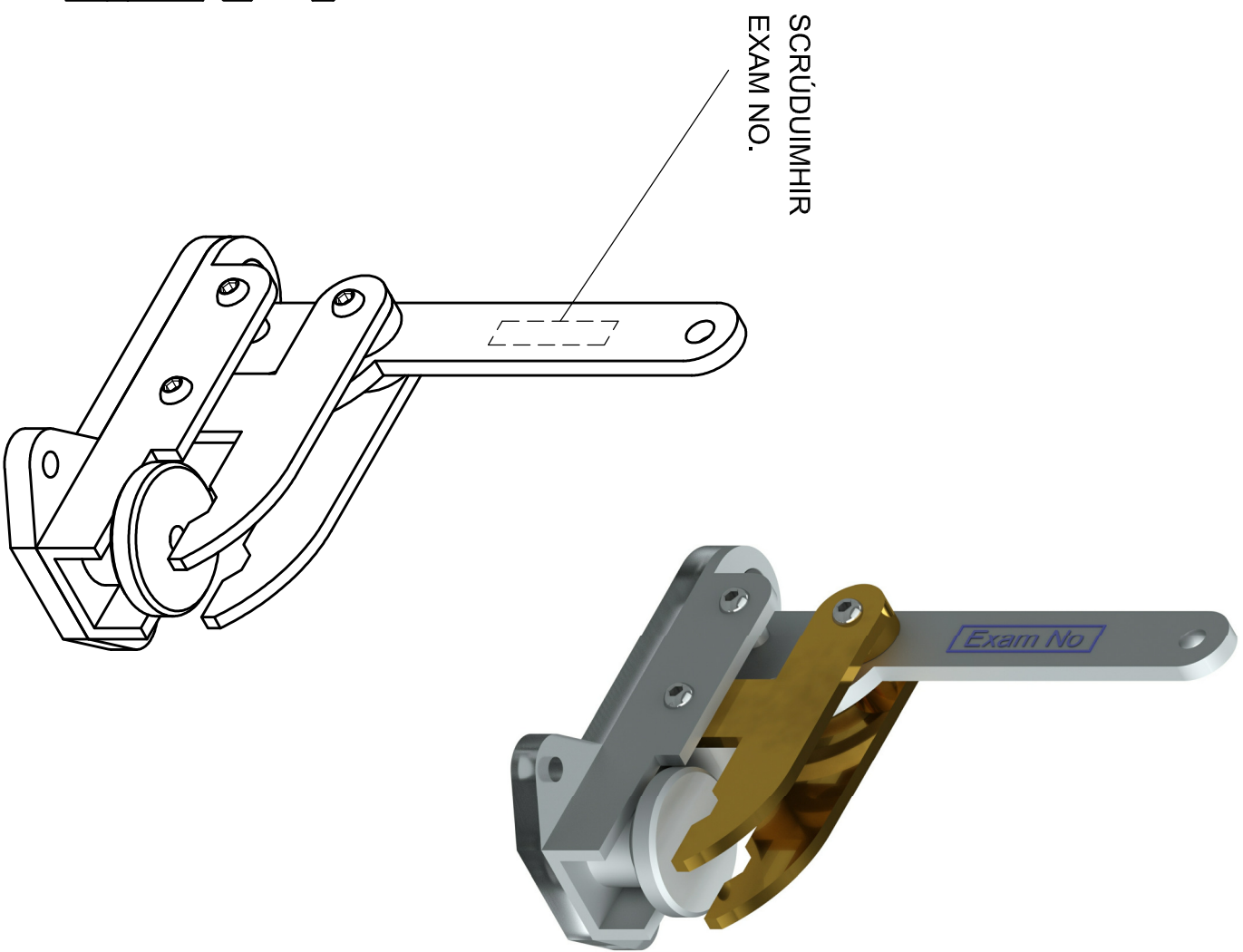
Put this examination paper and the test-piece into the candidate envelope supplied,
and hand up the envelope to the Superintendent at the end of the examination.



THALL
OVER



SECTION A-A



SCRÚDUIMHIR
EXAM NO.

ASSEMBLY DETAILS
SONRAÍ CÓIMEÁLA

THALL
OVER