



Leaving Certificate Examination, 2019

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 - 2019. 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 - 2019. M74A(L₁).
- (d) Put the examination paper - 2019. 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 **Lock Mechanism** shown on the drawings to the shape and dimensions specified.

PART	MATERIAL	PROCESS
3	Clear Polycarbonate	Mark out, drill, tap and shape.
5	Brass	Mark out, drill and shape.
6	Aluminium	Mark out, drill and shape.

Note: (i) Parts 4, 7, 8 and 9 have been made prior to examination day. Parts 1 and 2 has been part-prepared. Using the screws supplied assemble the mechanism, as detailed on the assembly drawing.

(ii) **Accuracy, finish and function are important.**



Scrúdú na hArdteistiméireachta, 2019

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

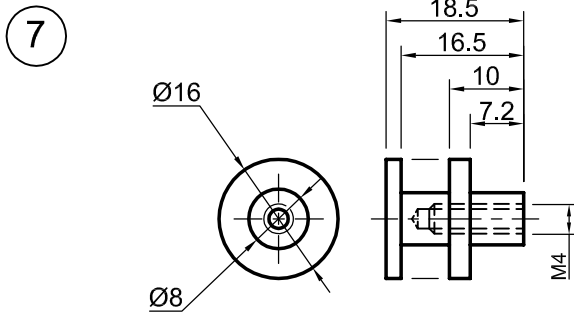
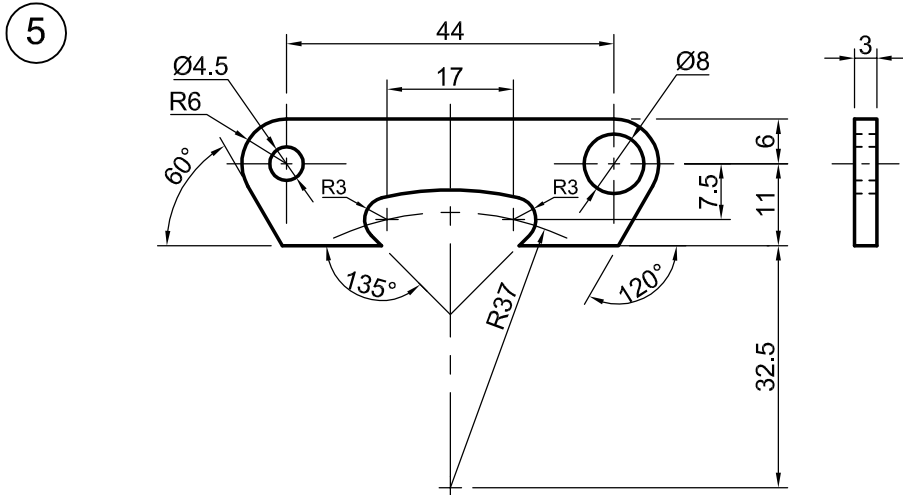
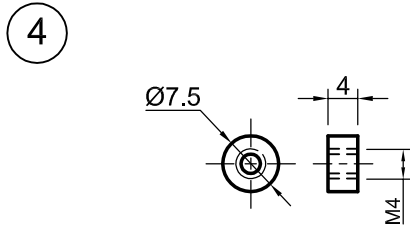
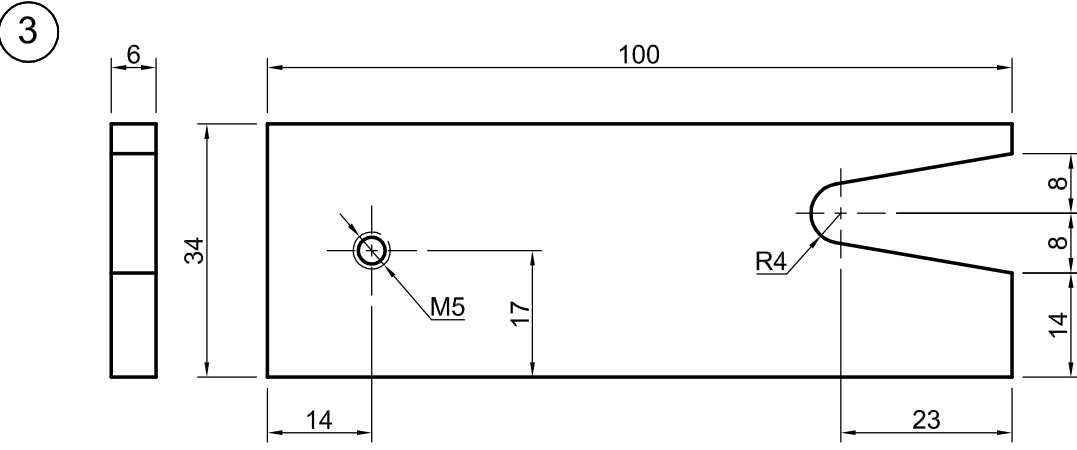
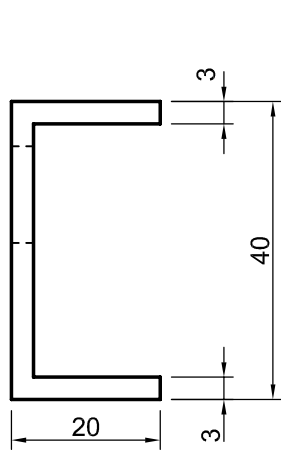
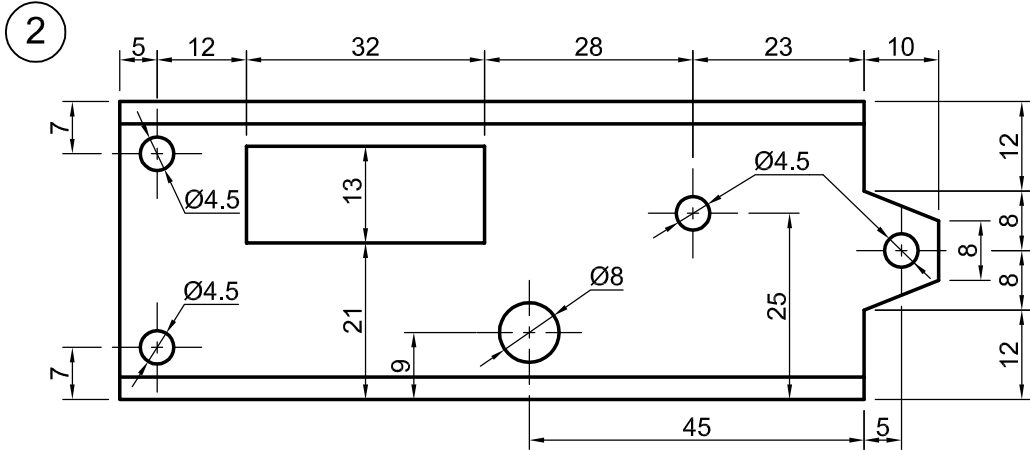
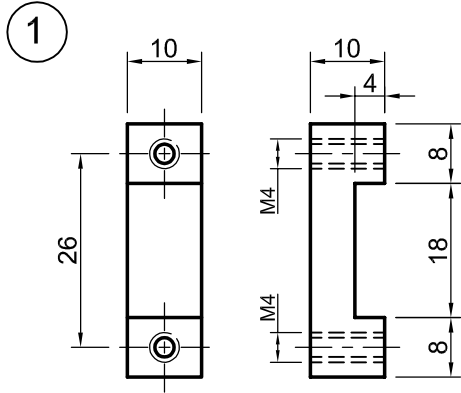
- (a) Ba chóir don **mhúinteoir** Scrúduimhir an iarrthóra a stampáil nó a ghreanadh ar an triailphíosa san ionad a thaispeántar ar an scrúdpháipéar - 2019. M74A(L₂). Mura bhfuil an triailphíosa curtha le chéile, ní mór an Scrúduimhir a thaispeáint ar gach páirt ar leith den triailphíosa.
- (b) Níl cead 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 - 2019. M74A(L₁).
- (d) Cuir an scrúdpháipéar - 2019. 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 Ghlais** a thaispeántar sna líníochtaí sa chruth agus sna toisí a shonraítear.

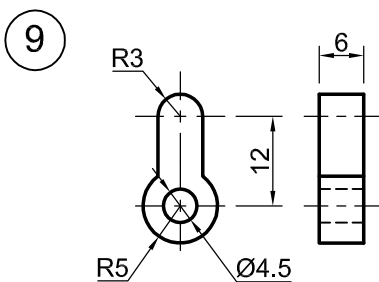
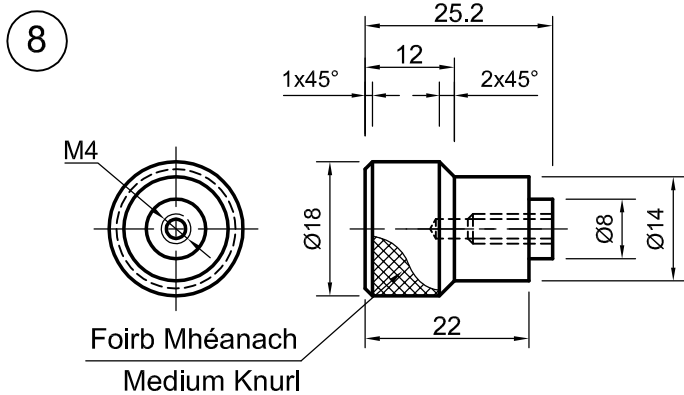
PÁIRT	ÁBHAR	PRÓISEAS
3	Polacarbónáit thrédhearcach	A mharcáil amach, a dhruileáil, a tapa agus a dheilbhiú.
5	Prás	A mharcáil amach, a dhruileáil agus a dheilbhiú.
6	Alúmanam	A mharcáil amach, a dhruileáil agus a dheilbhiú.

Nóta: (i) Rinneadh na páirteanna 4, 7, 8 agus 9 roimh lá an scrúdaithe. Tá páirt 1 agus 2 páirtdéanta. Agus tú ag baint úsáide as na scríonna a sholáthraítear, cóimeáil an mheicníocht faoi mar atá sa líníocht chóimeála.

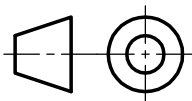
(ii) Tá tábhacht ag baint le cruinneas, le bailchríoch agus le hoibriú an triailphíosa.



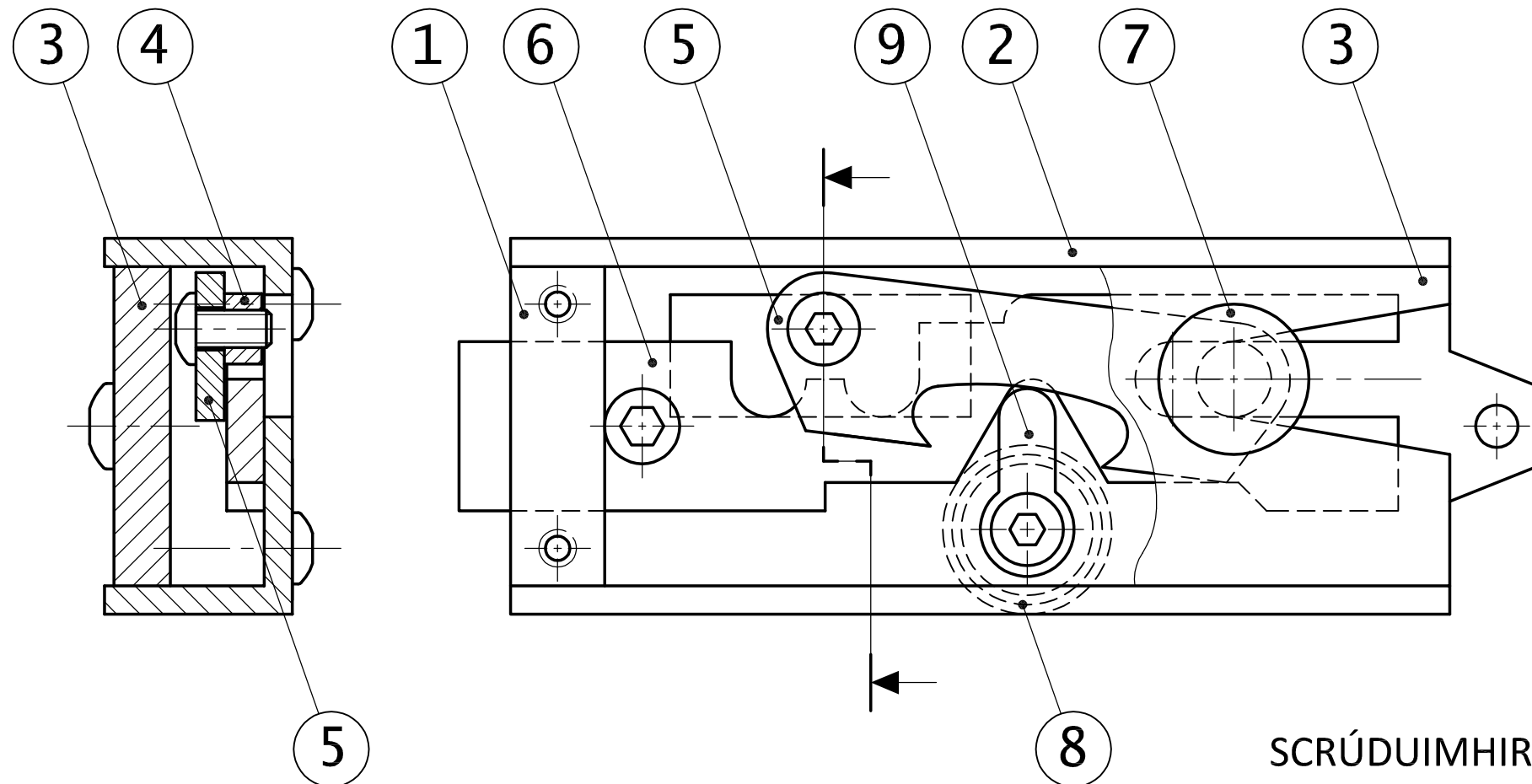
Scríobh do Scrúduithe sa bhosca seo:
Write your Examination Number in this box:



Nóta: Ba chóir go rothódh Páirteanna 7 agus 8
go saorálach i bpoll Ø8 mm
Note: Parts 7 and 8 should rotate freely in a Ø8 mm hole



THALL
OVER



SONRAÍ CÓIMEÁLA
ASSEMBLY DETAILS

Cuir an scrúdpháipéar seo agus an triailphíosa isteach i gclúdach an iarrthóra atá curtha ar fáil, agus tabhair an clúdach don Fheitheoir 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.

SCRÚDUIMHIR
EXAM NO.

