B

An Roinn Oideachais

JUNIOR CERTIFICATE EXAMINATION

TECHNICAL GRAPHICS

ORDINARY LEVEL

SAMIPLE EXAMINATION PAPER

SECTION B - 280 Marks

INSTRUCTIONS

- 1. Answer <u>any four</u> of the six questions in section <u>B</u> (280 marks) (all questions in this section carry equal marks).
- 2. Show all constructions clearly and use indexing as appropriate.
- 3. Drawings and sketches should be in pencil.
- 4. Ensure you write your examination number on all the sheets you hand up.

SECTION B (ANSWER ANY FOUR QUESTIONS - All questions carry equal marks)

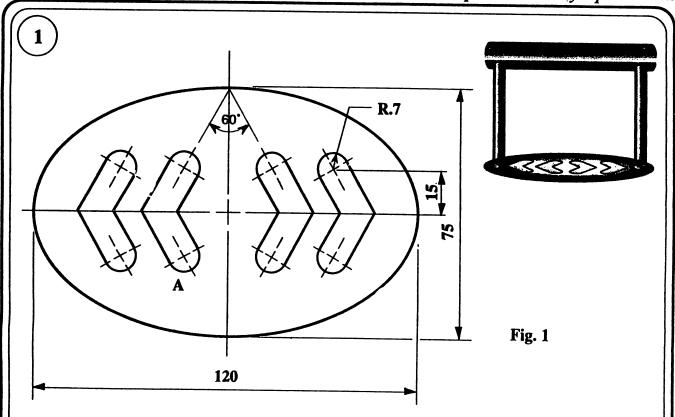
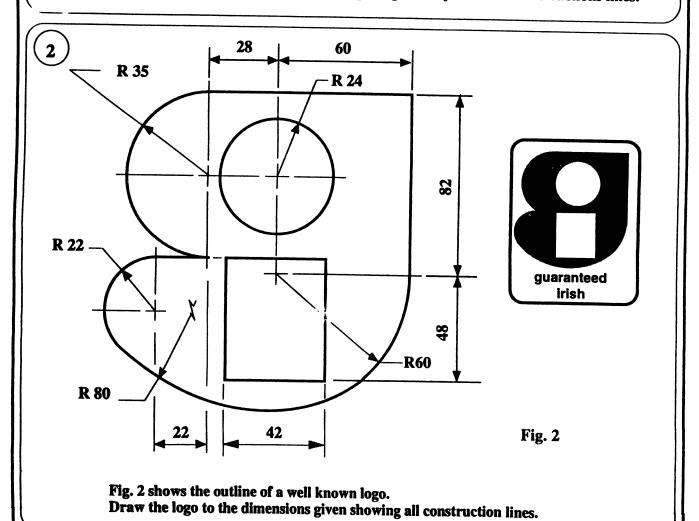
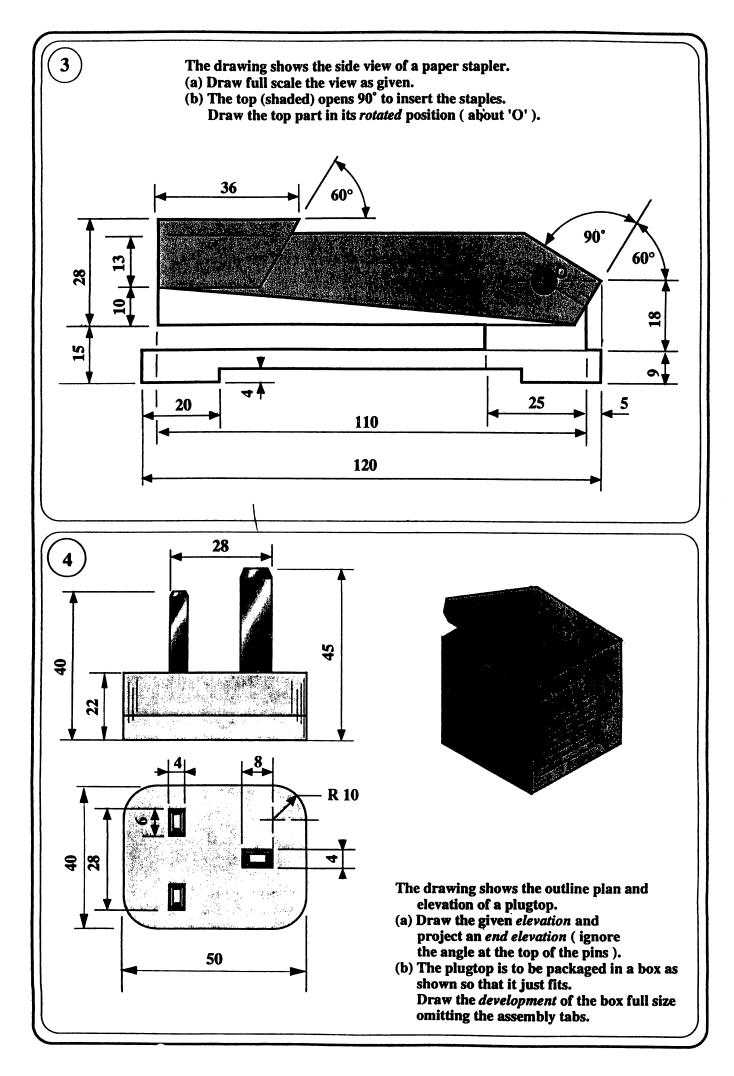
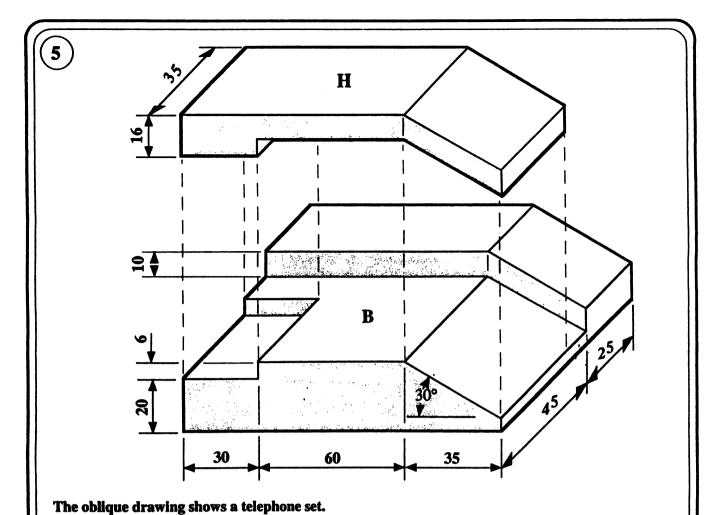


Fig. 1 shows the base of a vegetable masher. The outer edge is an ellipse and the four openings are the same.

Draw the masher base full size showing the opening 'A' only. Show all constructions lines.







(a) Make an isometric drawing of the base ('B') only.

(b) Using the isometric grid paper provided make a freehand pictorial sketch of the handset ('H').

Note: all small margins are 5mm

Note: all small margins are 5mm

The pictorial view of a model truck is shown.

Draw the following (without the wheels).

(a) The front elevation (in the direction of arrow 'A').

(b) A side elevation (in the direction of arrow 'B').