

Coimisiún na Scrúduithe Stáit

State Examinations Commission

Junior Certificate Examination, 2013

Technical Graphics Ordinary Level Section A

(120 marks)

Monday, 17 June Morning 9:30 - 12:00

Centre Number

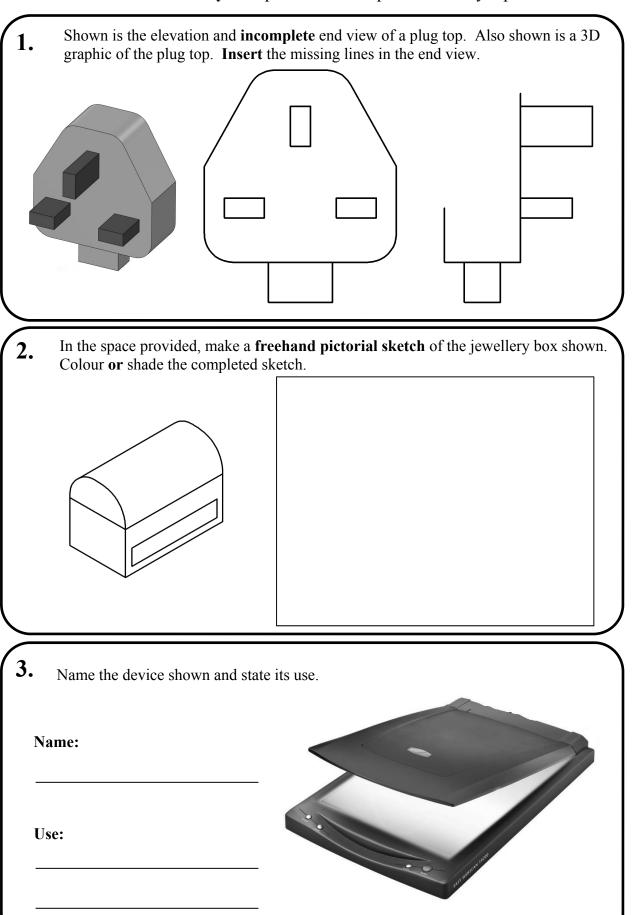
Instructions

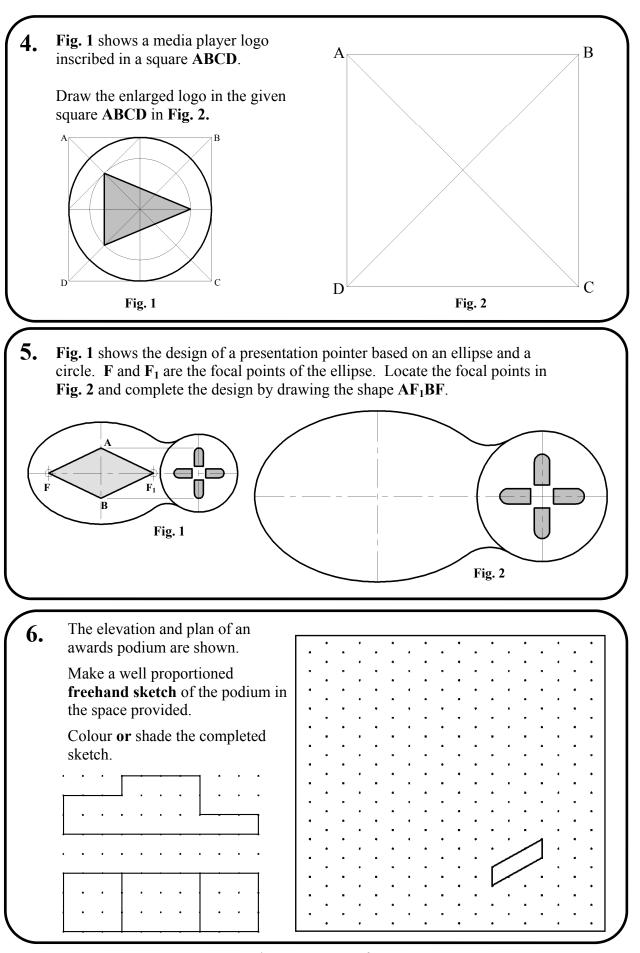
- (a) Answer **any ten** questions in the spaces provided. All questions carry equal marks.
- (b) Construction lines must be clearly shown.
- (c) All measurements are in millimetres.
- (d) This booklet must be handed up at the end of the examination.
- (e) Write your examination number in the box provided below and on all other pages used.

Examination Number:	
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Question	Mark
Section A	
1	
2	
3	
4	
5	
6	
TOTAL	
GRADE	

SECTION A. Answer any ten questions. All questions carry equal marks.





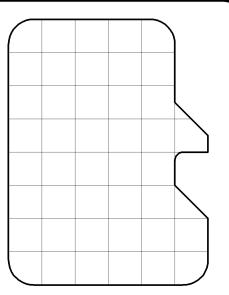
7. The outline of a memory card is shown. Also shown is a 3D graphic of the card.



Write down the area of the memory card in square units.

1 square = 1 square unit.

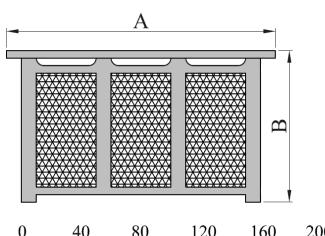
Area of the card: square units.



Using the scale provided, measure and write down the dimensions A and B for the radiator cover shown.

A:

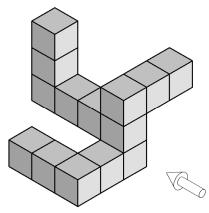
B:

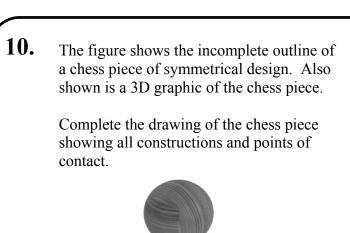


40 0 40 80 120 160 200cm

9. The figure shows a set of blocks. Draw, in the space provided, the elevation of the blocks in the direction of the arrow.

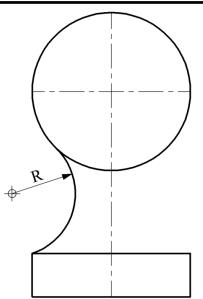






Commands:

 $A \longrightarrow B$



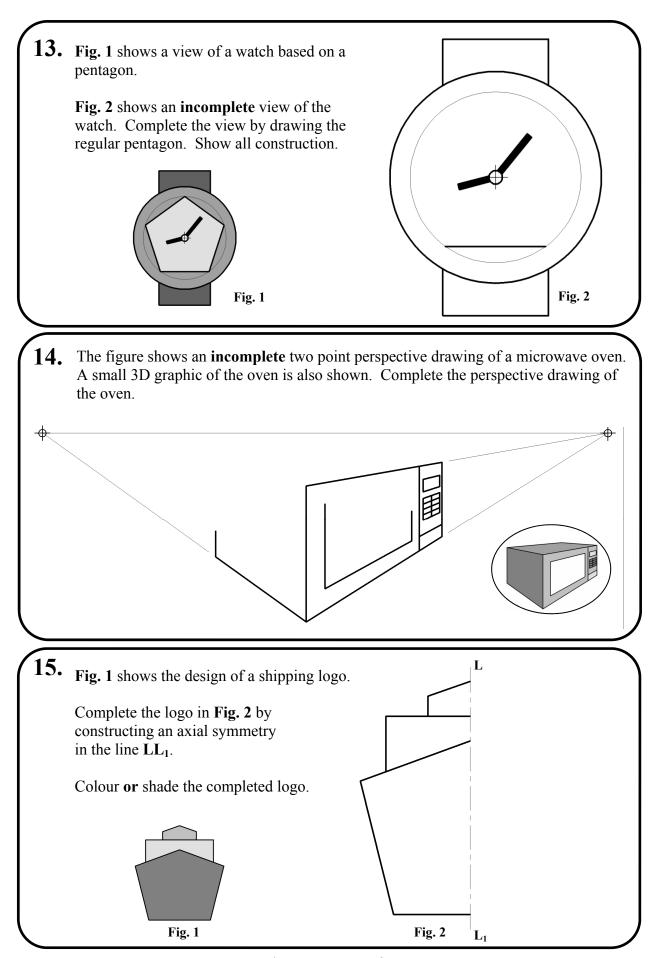
11. List the CAD commands used to produce the drawing of the bookend from A to B and B to C.

B
C

 $\mathbf{B} \longrightarrow \mathbf{C}$

12. The graphics show a computer speaker.

Draw the **shadow** cast by the speaker shown in **Fig. 1** when the light source is parallel to the direction of the arrow.



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