



# **2012 Graphic Communication**

## **Intermediate 1**

### **Finalised Marking Instructions**

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**Question 1**

- (a) Plotter, Monitor, Laser printer (any 2) **2 marks**
- (b) Keyboard, Mouse, Scanner (any 2) **2 marks**

**Total 4 marks****Question 2**

- (a) Receding **1 mark**
- (b) Black **1 mark**
- (c) Green, Violet – not Purple **1 mark**
- (d) 2 primary colours **1 mark**

**Total 4 marks****Question 3**

- (a) Portrait **1 mark**
- (b) Rotate **1 mark**
- (c) Mirror **1 mark**

**Total 3 marks****Question 4**

- (a) (i) Hidden line **1 mark**
- (ii) Outline **1 mark**
- (b) Exploded **1 mark**

**Total 3 marks****Question 5**

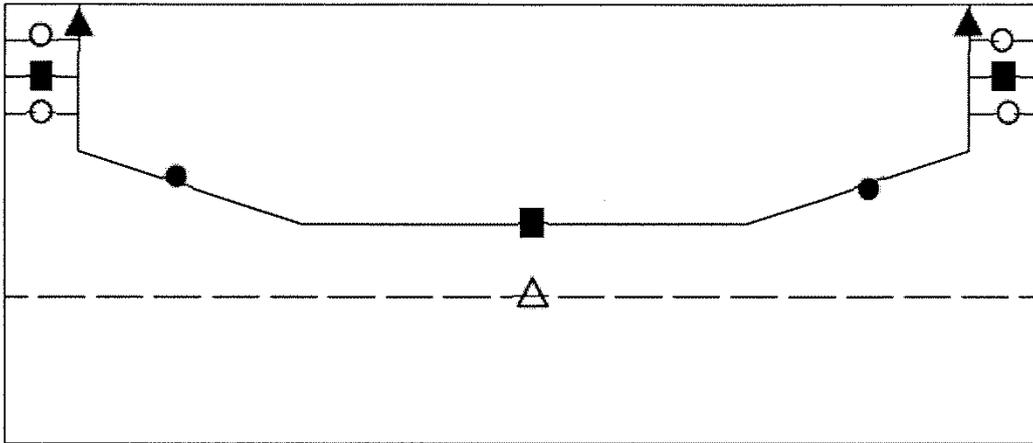
- (a) Three **1 mark**
- (b) Three **1 mark**
- (c) Two **1 mark**

**Total 3 marks**

Notes for drawing questions:

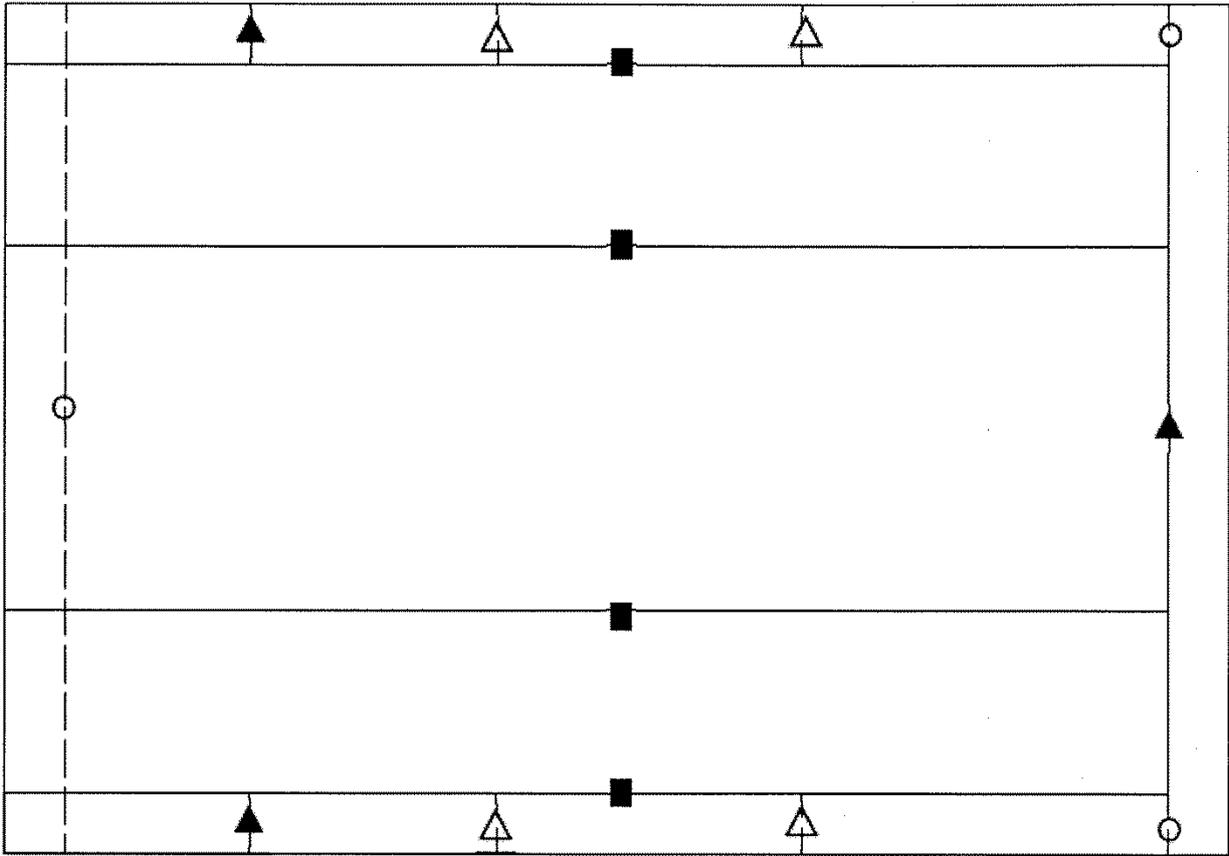
- Tolerances for all drawings  $\pm 1\text{mm}$
- When marking drawings, all markers must operate the “follow-on rule” and ensure that candidates are **not** penalised twice.

**Question 6**



**End Elevation**

- |     |   |   |               |
|-----|---|---|---------------|
| (a) | Correct projection from elevation           |   | <b>1 mark</b> |
| (b) | Overall length and height                   |   | <b>1 mark</b> |
| (c) | 2 vertical lines in correct position marked | ▲ | <b>1 mark</b> |
| (d) | 3 horizontal lines marked                   | ■ | <b>1 mark</b> |
| (e) | 4 hidden lines marked                       | ○ | <b>1 mark</b> |
| (f) | 1 hidden line marked                        | △ | <b>1 mark</b> |
| (g) | 2 sloping lines marked                      | ● | <b>1 mark</b> |

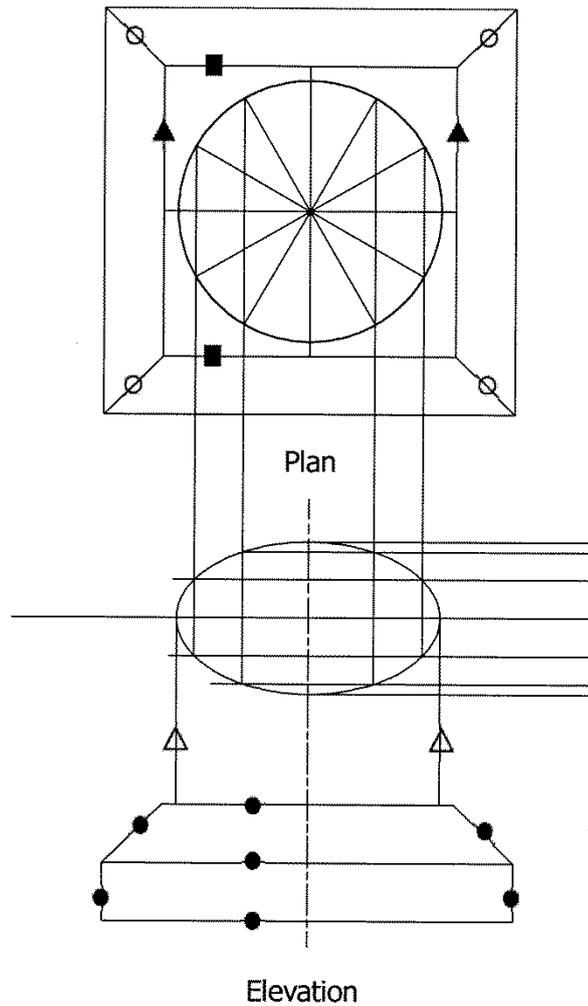


**Plan**

- |     |                            |   |               |
|-----|----------------------------|---|---------------|
| (h) | Overall length and breadth |   | <b>1 mark</b> |
| (i) | 3 vertical lines marked    | ▲ | <b>1 mark</b> |
| (j) | 4 horizontal lines marked  | ■ | <b>1 mark</b> |
| (k) | 4 hidden lines marked      | △ | <b>1 mark</b> |
| (l) | 3 hidden lines marked      | ○ | <b>1 mark</b> |

**Total 12 marks**

**Question 7**



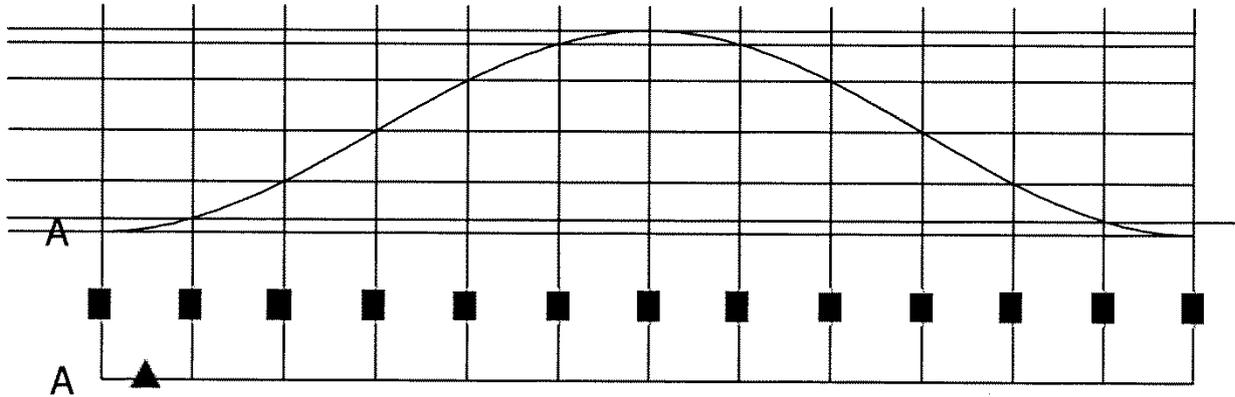
**Plan**

- (a) Overall length and width of base **1 mark**
- (b) 2 vertical lines marked ▲ **1 mark**
- (c) 2 horizontal lines marked ■ **1 mark**
- (d) 4 sloping lines marked ○ **1 mark**

**Elevation**

- (e) Construction for circle shown on plan and end elevation **1 mark**
- (f) 12 points shown correctly on curve **2 marks**
  - 9 – 12 points **2 marks**
  - 7 – 8 points **1 mark**
- (g) 7 base lines marked ● **1 mark**
- (h) 2 vertical lines marked △ **1 mark**

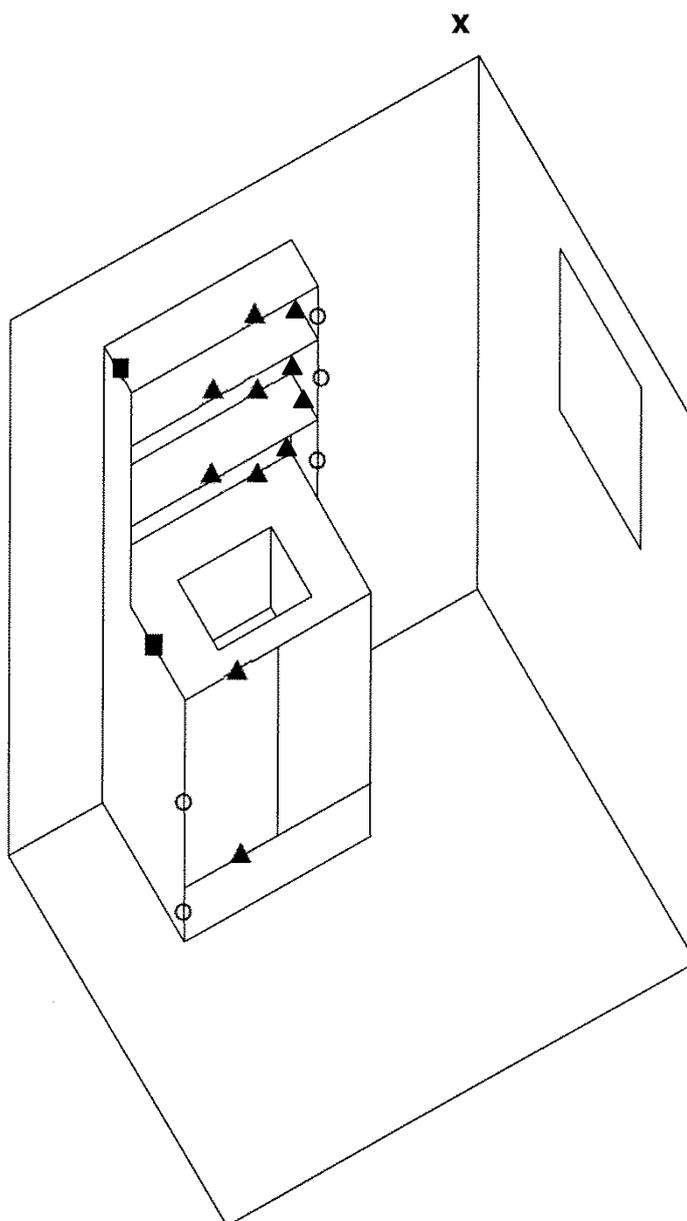
**Development**



- (i) 12 equally spaced generators marked ▲ ± 12 1 mark
- (j) 13 heights shown correctly for curve ■ 2 marks  
     9 – 13 points 2 marks  
     7 – 8 points 1 mark
- (k) Opened on seam A:A 1 mark
- (l) Good quality curve on development or elevation 1 mark

**Total 14 marks**

**Question 8**



(a) Walls and floor – overall L x B x H **2 marks**

3  
2

**2 marks**  
**1 mark**

(b) Window B x H **1 mark**

(c) Window position relative to X **1 mark**

(d) Overall unit L x B x H and correctly set angles **1 mark**

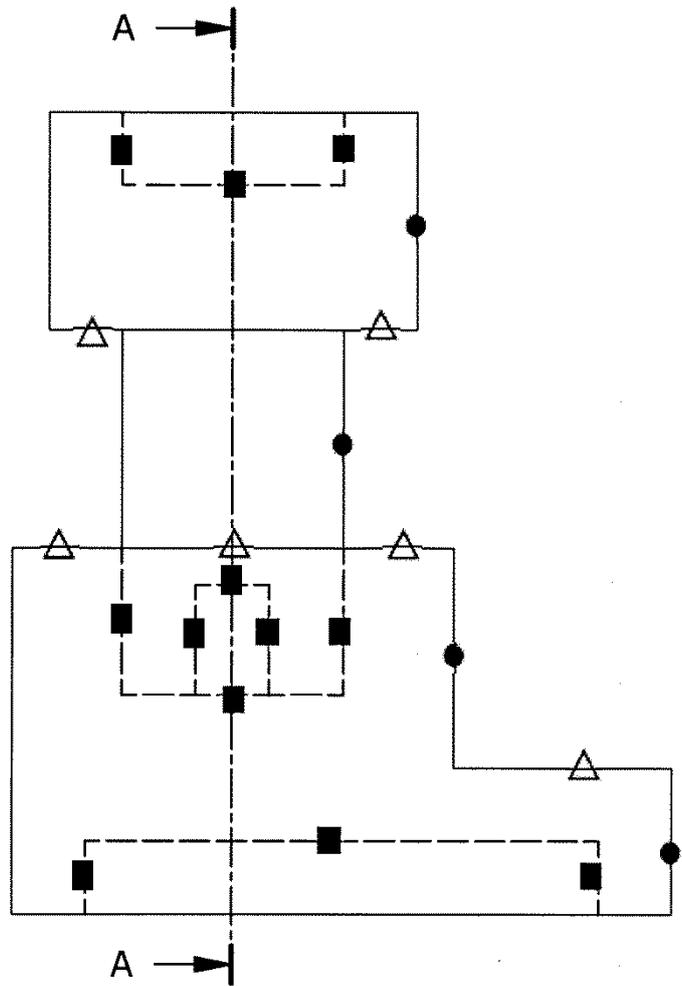
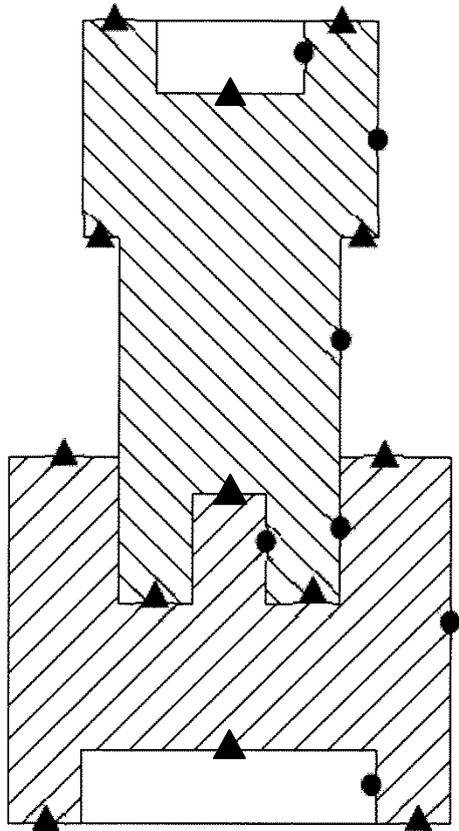
(e) 2 widths marked **1 mark**



- |     |                                       |   |                |                |
|-----|---------------------------------------|---|----------------|----------------|
| (f) | 5 heights marked                      | ○ |                | <b>2 marks</b> |
|     | 4 – 5 heights                         |   | <b>2 marks</b> |                |
|     | 3 heights                             |   | <b>1 mark</b>  |                |
| (g) | 11 adjoining lines marked             | ▲ |                | <b>2 marks</b> |
|     | 8-11 lines                            |   | <b>2 marks</b> |                |
|     | 5-7 lines                             |   | <b>1 mark</b>  |                |
| (h) | Overall sink L x B x H                |   |                | <b>1 mark</b>  |
| (i) | Sink position L x B                   |   |                | <b>1 mark</b>  |
| (j) | Position of unit relative to <b>X</b> |   |                | <b>1 mark</b>  |

**Total 13 marks**

**Question 9**



**Elevation**

- |  |   |  |
|--|---|--|
| <p>(a) 4 heights marked</p> <p>4 heights<br/>2 – 3 heights</p>                         |  | <p><b>2 marks</b></p> <p><b>2 marks</b><br/><b>1 mark</b></p>                    |
| <p>(b) 6 lengths marked</p> <p>5 – 6 lengths<br/>3 – 4 lengths</p>                     |  | <p><b>2 marks</b></p> <p><b>2 marks</b><br/><b>1 mark</b></p>                    |
| <p>(c) 12 hidden lines marked</p> <p>10 – 12 lines<br/>8 – 9 lines<br/>6 – 7 lines</p> |  | <p><b>3 marks</b></p> <p><b>3 marks</b><br/><b>2 marks</b><br/><b>1 mark</b></p> |

**Sectional End Elevation**

- |     |   |   |                |                |
|-----|---|---|----------------|----------------|
| (d) | 13 widths marked  |  |                | <b>3 marks</b> |
|     | 10 – 13 widths  |   | <b>3 marks</b> |                |
|     | 8 – 9 widths  |   | <b>2 marks</b> |                |
|     | 6 – 7 widths  |   | <b>1 mark</b>  |                |
| (e) | 7 heights marked  |  |                | <b>2 marks</b> |
|     | 6 – 7 heights   |   | <b>2 marks</b> |                |
|     | 4 – 5 heights   |   | <b>1 mark</b>  |                |
| (f) | 2 parts hatched correctly   |   |                | <b>1 mark</b>  |
| (g) | Correct BS convention for hatching<br>(45 degrees and differentiated) |   |                | <b>1 mark</b>  |

**Total 14 marks**

[END OF MARKING INSTRUCTIONS]