



# **2013 Graphic Communication**

## **Intermediate 2**

### **Finalised Marking Instructions**

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## **Part One: General Marking Principles for Graphic Communication Intermediate 2**

This information is provided to help you understand the general principles you must apply when marking candidate responses to questions in this Paper. These principles must be read in conjunction with the specific Marking Instructions for each question.

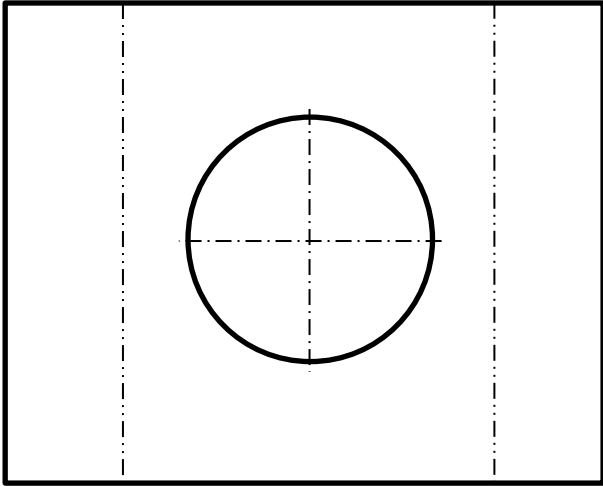
- (a)** Marks for each candidate response must always be assigned in line with these general marking principles and the specific Marking Instructions for the relevant question. If a specific candidate response does not seem to be covered by either the principles or detailed Marking Instructions, and you are uncertain how to assess it, you must seek guidance from your Team Leader/Principal Assessor.
- (b)** Marking should always be positive ie, marks should be awarded for what is correct and not deducted for errors or omissions.

### **GENERAL MARKING ADVICE: Graphic Communication Intermediate 2**

The marking schemes are written to assist in determining the “minimal acceptable answer” rather than listing every possible correct and incorrect answer. The following notes are offered to support Markers in making judgements on candidates’ evidence, and apply to marking both end of unit assessments and course assessments.

**Part Two: Marking Instructions for each Question**

Question	Expected Answer/s	Max Mark	Additional Guidance
1	<p>Symbol type: Warning (1 mark)            Colour: Yellow (1 mark)</p> <p>Symbol type: Mandatory (1 mark)            Colour: Blue (1 mark)</p> <p>Symbol type: Prohibition (1 mark)            Colour: Red (1 mark)</p> <p><i>6 @ 1 mark for each correct answer</i></p>	6	
2	<p>A. Radiator (1 mark)            B. Washbasin (1 mark)            C. WC (1 mark)            D. Lamp (1 mark)            E. Shower tray (1 mark)</p> <p><i>5 @ 1 mark for each correct answer</i></p>	5	

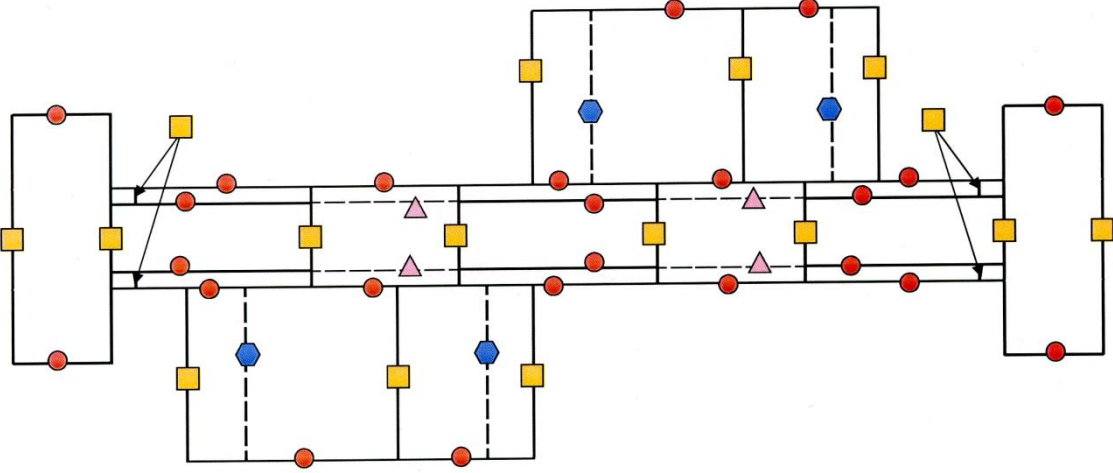




Question		Expected Answer/s	Max Mark	Additional Guidance
3	a	X Centre line (1 mark)  Y Outline (1 mark)	2	
	b	2 fold lines marked as shown  		
	c	Third angle projection symbol	1	
			(4)	

Question		Expected Answer/s	Max Mark	Additional Guidance
4		<b>Marking Instructions removed due to copyright issues.</b>	(5)	

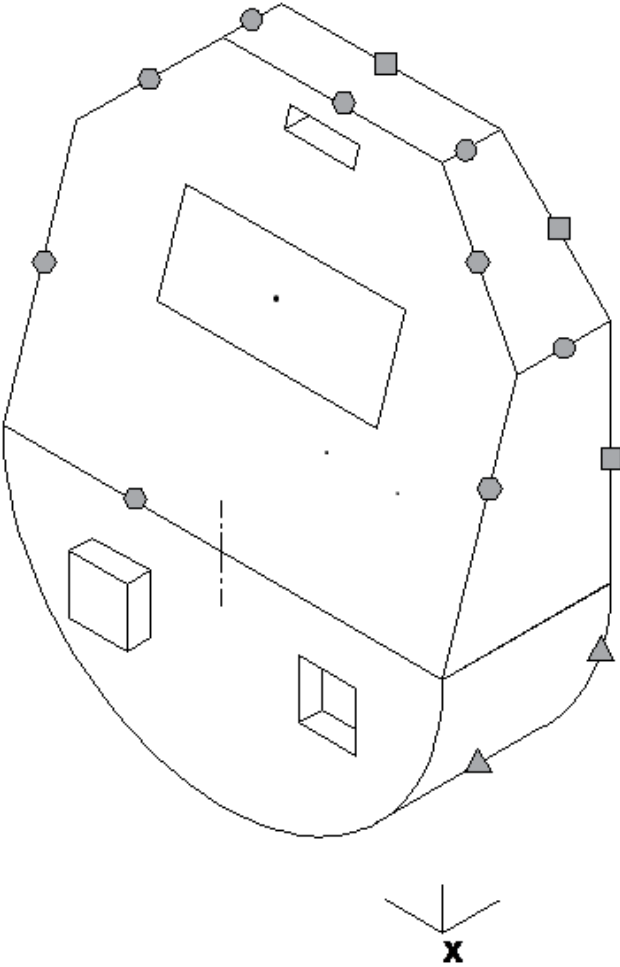


Notes for drawing questions:

- Tolerances for all drawing  $\pm 1\text{mm}$
- When marking drawings, all markers must operate the “follow-on rule” and ensure that candidates are **not** penalised twice.
- Marks should be entered in the appropriate place and no other comments added to the candidates scripts.



## Starting Blocks

Question	Expected Answer/s	Max Mark	Additional Guidance
5	 <p style="text-align: center;">PLAN</p>		
a	<p>18 Vertical Lines </p> <p>16-18 = 4 marks            13-15 = 3 marks            10-12 = 2 marks            7-9 = 1 mark</p>	<b>4</b>	
b	<p>24 Horizontal Lines </p> <p>21-24 = 4 marks            17-20 = 3 marks            13-16 = 2 marks            9-12 = 1 mark</p>	<b>4</b>	
c	<p>4 Vertical Hidden Detail Lines </p> <p>All 4 lines = 2 marks            2-3 lines = 1 mark</p>	<b>2</b>	
d	<p>4 Horizontal Hidden Detail Lines </p> <p>All 4 lines = 2 marks            2-3 lines = 1 mark</p>	<b>2</b>	
		<b>(12)</b>	

### Isometric Stop Watch

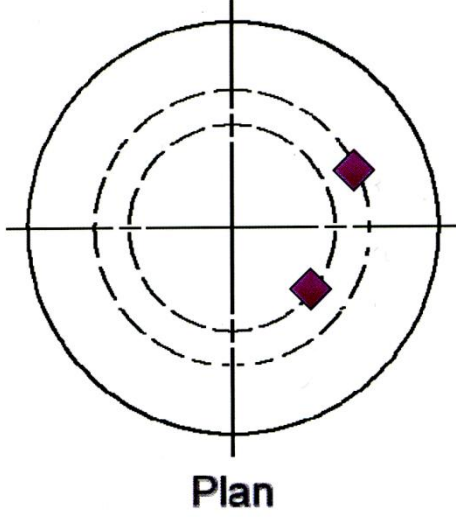

Question	Expected Answer/s	Max Mark	Additional Guidance
6	 <p style="text-align: center;"><b>Isometric View</b></p>		
a	Construction for front isometric curve	<b>1</b>	
b	Front isometric curve 7 points = 2 marks 5-6 points = 1 mark	<b>2</b>	
c	Projection back for rear isometric curve 	<b>1</b>	
d	Rear outline  3 lines for 1 mark	<b>1</b>	

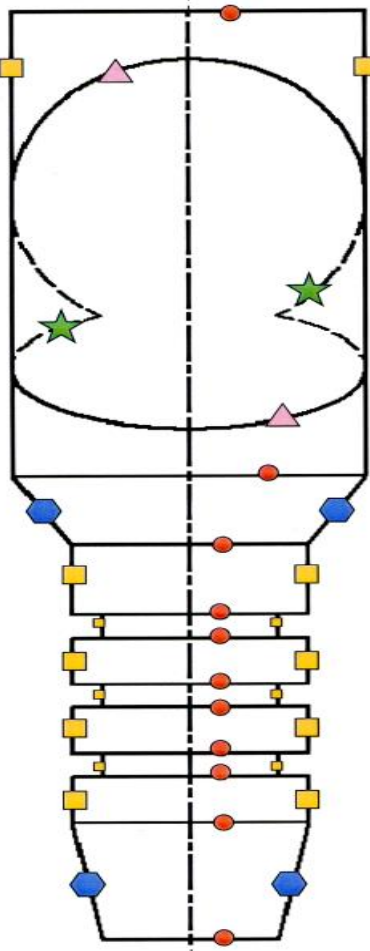







Question		Expected Answer/s	Max Mark	Additional Guidance
6	e	Projection for front sloping face  3 lines = 2 marks 2 lines = 1 mark	2	
	f	Front sloping face outlines  5-6 lines = 1 mark	1	
	g	Screen (4 lines) Correct width and height = 1 mark Correct position = 1 mark	2	
	h	Tie chord hole (5 lines) Correct width and height (4 lines) = 1 mark Correct position and depth line = 1 mark	2	
	i	Buttons (must be correct positions) 14-16 lines = 2 marks 11-13 lines = 1 mark	2	
			(14)	

**Note: to check for positions, move tracing to best fit once only to check**

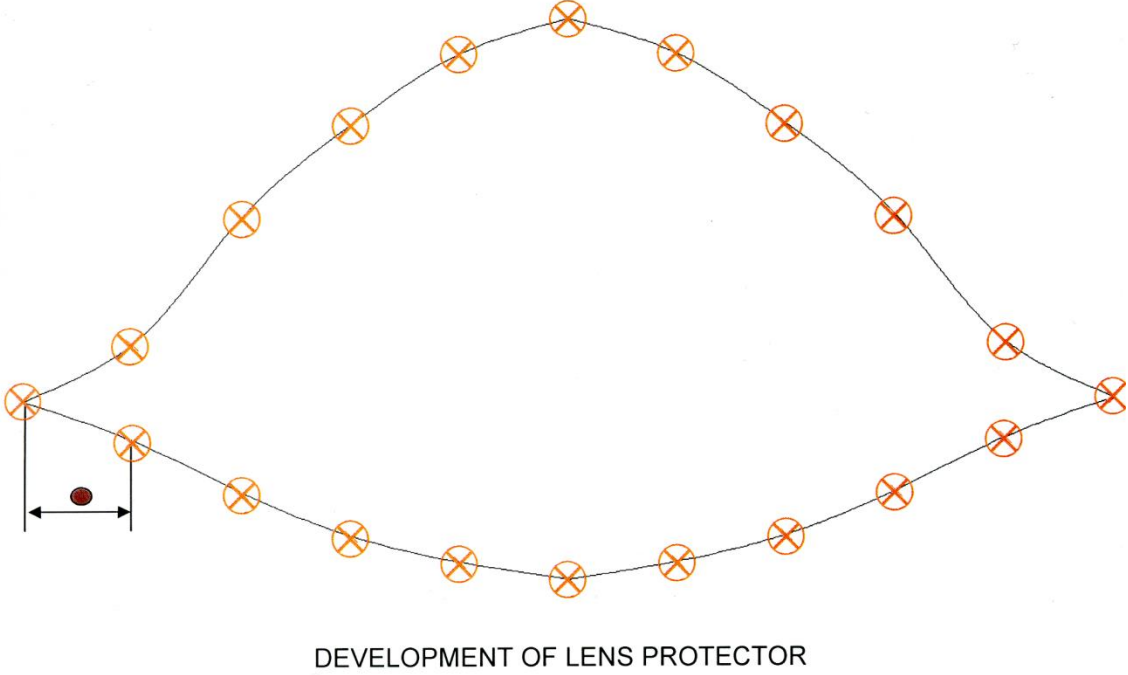


Torch

Question	Expected Answer/s	Max Mark	Additional Guidance
7			
<b>Plan</b>			
	<p data-bbox="248 1189 272 1223"><b>a</b></p> <p data-bbox="347 1189 619 1294">Hidden detail circles 2 required = 1 mark</p> 	1	

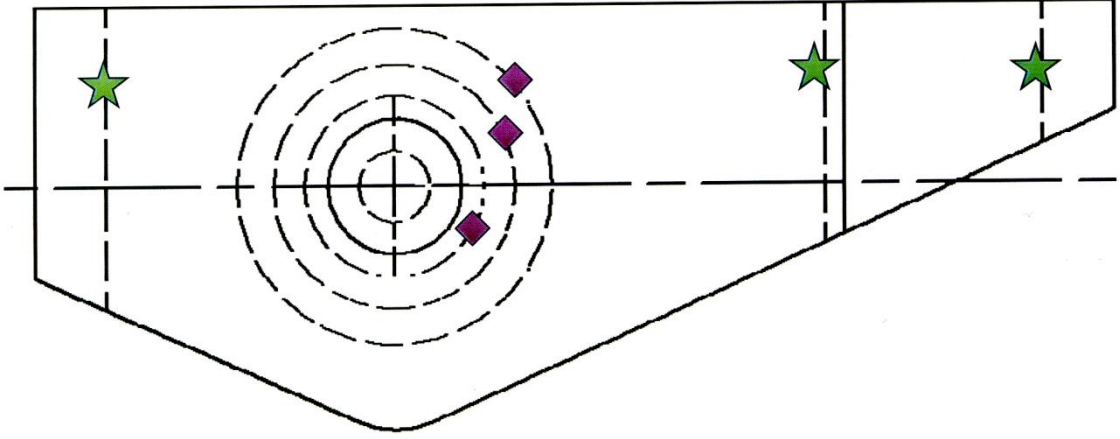


Question	Expected Answer/s	Max Mark	Additional Guidance
7	 <p style="text-align: center;">END ELEVATION</p>		
<b>End Elevation</b>			
<b>b</b>	16 Vertical lines  13-16 = 2 marks 9-12 = 1 mark	<b>2</b>	
<b>c</b>	11 Horizontal lines  9-11 = 2 marks 6-8 = 1 mark	<b>2</b>	
<b>d</b>	4 Angles lines  <i>All 4 required = 1 mark</i>	<b>1</b>	

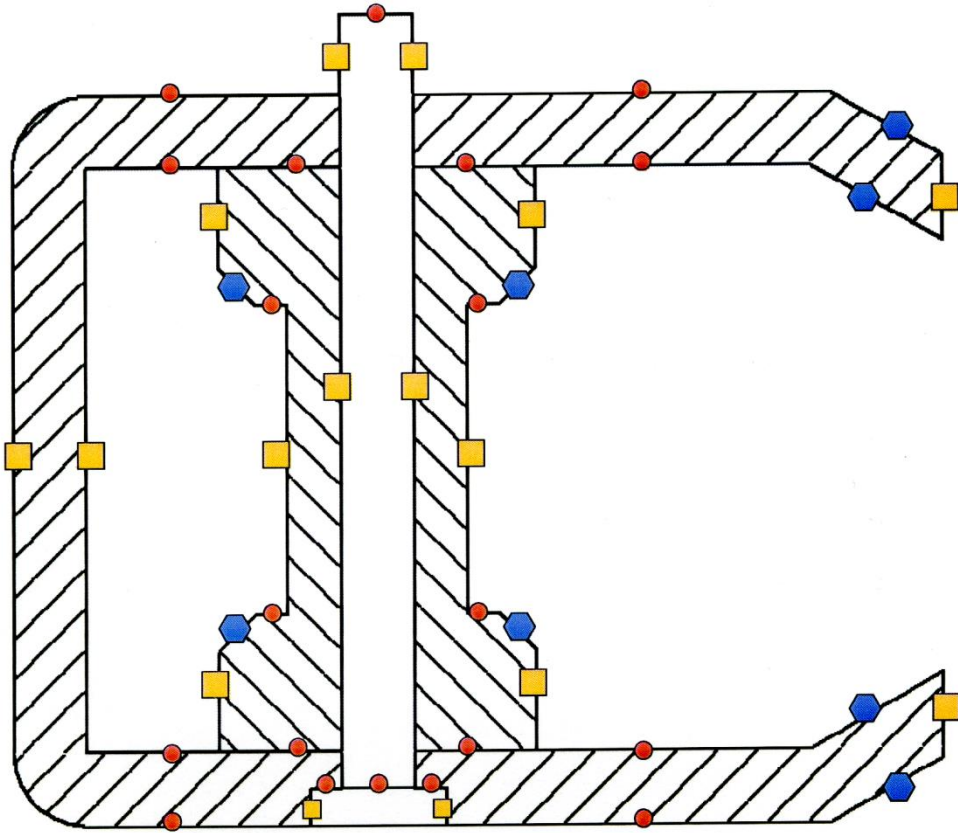
Question		Expected Answer/s	Max Mark	Additional Guidance
7	e	Establish 20 accurate points for curve creation  13-20 points = 2 marks 6-12 points = 1 mark	2	
	f	Rear curve shown as hidden detail 	1	

Torch




Question	Expected Answer/s	Max Mark	Additional Guidance
7	 <p style="text-align: center;">DEVELOPMENT OF LENS PROTECTOR</p>		
g	10 correct divisions (+/- 1mm per division) 	<b>1</b>	
h	20 correct heights 15-20 heights = 2 marks 9-14 heights = 1 mark 	<b>2</b>	
		<b>(12)</b>	

Pedal Assembly

Question	Expected Answer/s	Max Mark	Additional Guidance
8	 <p style="text-align: center;">ASSEMBLED ELEVATION</p>		
<b>Assembled Elevation</b>			
a	3 Vertical hidden detail lines  2-3 = 1 mark	1	
b	3 Circles hidden detail lines  2-3 = 1 mark	1	

Question	Expected Answer/s	Max Mark	Additional Guidance
8	 <p data-bbox="587 1137 944 1167">SECTIONAL PLAN ON A-A</p>		

**Assembled Sectional Plan on A-A**

8	c	16 Vertical lines  12-16 = 2 marks 7-11 = 1 mark	2	
	d	20 Horizontal lines  17-20 = 3 marks 13-16 = 2 marks 9-12 = 1 mark	3	
	e	8 Angled lines  6-8 = 1 mark	1	

Question	Expected Answer/s	Max Mark	Additional Guidance	
<b>Hatching of Parts</b>				
<b>8</b>	<b>f</b>	<p>Hatching</p> <p>Hatching correctly applied to BS conventions showing differentiation:</p> <p>Plate &amp; Support + no hatching on pin = 2 marks</p> <p>Plate &amp; Support = 1 mark</p>	<b>2</b>	
	<b>g</b>	<p>Assembly of components</p> <p>All 3 components correctly assembled = 2 marks</p> <p>2 components correctly assembled = 1 mark</p>	<b>2</b>	
			<b>(12)</b>	

[END OF MARKING INSTRUCTIONS]