



2011 Graphic Communication

Intermediate 2

Finalised Marking Instructions

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Question 1

Floor plan

- (a) Brickwork
- (b) Switch
- (c) Window
- (d) Socket

4 @ 1 mark for each correct answer

Total 4 marks

Question 2

CAD

Any three answers from the following list:

- Quicker to produce (printing of many copies)...
- Less storage space...
- More professional documents...
- Ease of editing existing documents...
- Ease of correcting mistakes on documents...
- Use of document templates/Library items...
- Easier to transfer drawings...
- Easier to share drawings...
- More environmentally friendly because...

3 @ 1 mark for each correct answer

Total 3 marks

Question 3

Input/output/storage devices

Monitor	Output
Mouse	Input
Digital Camera	Input
Keyboard	Input
Printer	Output
USB device	Storage

6 @ 1 mark for each correct answer

Total 6 marks

Question 4

DTP

- (a) Header/Heading **1 mark**
- (b) Footer **1 mark**
- (c) Any two from the following **2 marks**
- Column/Body Text
 - Alignment
 - Gutter
 - Margin
 - Page Orientation
 - Imported Graphic
 - Text Wrap
 - Sub Heading/Header

*Note: Candidates must annotate **and** label the graphic correctly for each mark available.*

Total 4 marks

Question 5

Coffee Shop

- (a) Any one from the following list: **1 mark**
- Cooling effect
 - Calming effect
 - Environmentally friendly feel
 - Make the room seem bigger
- (b) Any one from the following list: **1 mark**
- Blue
 - Blue-Green
 - Yellow
 - Green-Yellow
- (c) Any one from the following list: **1 mark**
- Red
 - Red-Orange
 - Orange
 - Red-Violet
 - Violet
- (d) Red and Yellow mixed together **1 mark**
- (e) Colours that seem to come towards you eg it would make the room feel smaller **1 mark**

Total 5 marks

Question 6

Toaster End Elevation

(a) 9 Vertical outlines  **2 marks**

7-9 lines = 2 marks
5-6 lines = 1 mark

(b) 9 Horizontal outlines  **2 marks**

7-9 lines = 2 marks
5-6 lines = 1 mark

(c) 7 Vertical hidden detail lines  **2 marks**

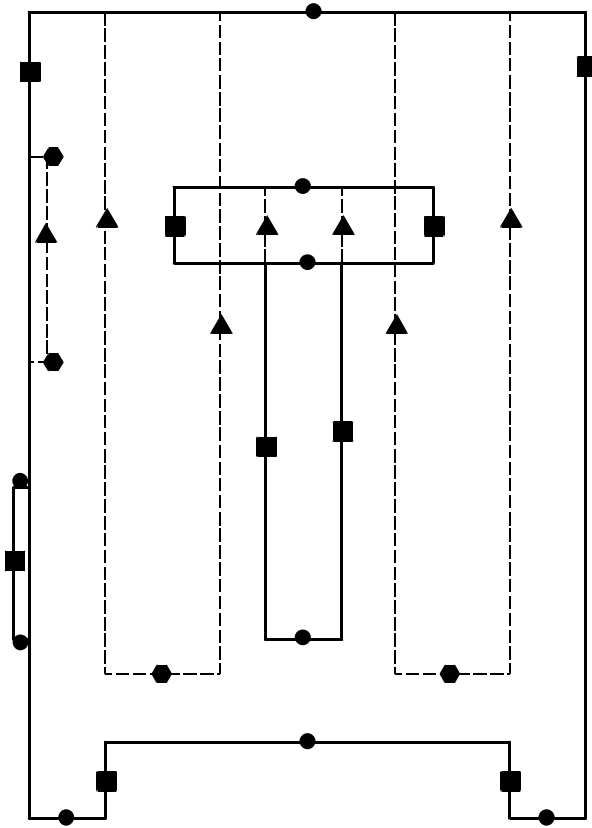
6-7 lines = 2 marks
3-5 lines = 1 mark

(d) 4 Horizontal hidden detail lines  **2 marks**

4 lines = 2 marks
2-3 lines = 1 mark

Total 8 marks

NB: DRAWINGS THROUGHOUT MARKING INSTRUCTIONS ARE NOT TO SCALE




End Elevation



Question 7

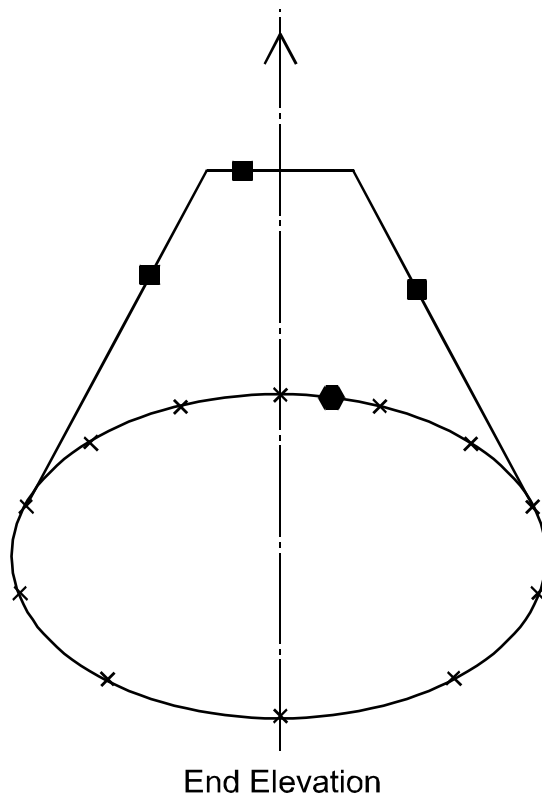
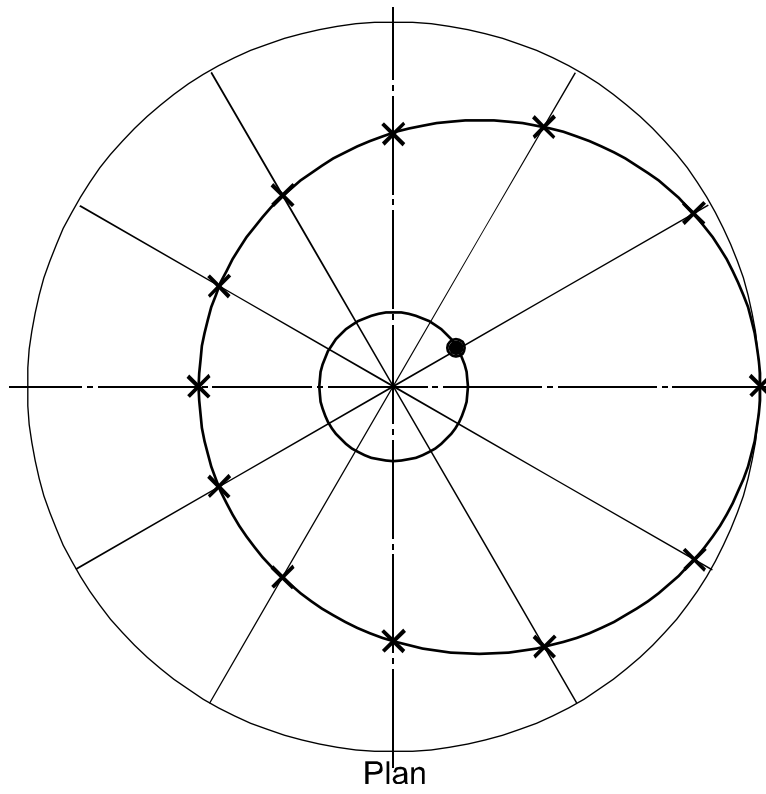
Lampshade

Plan

- (a) Divide plan (generators) **1 mark**
- (b) Circle @ correct size (horizontal cut)  **1 mark**
- (c) Establish 12 accurate points for curve creation **2 marks**
10-12 points = 2 marks
6-9 points = 1 mark

End Elevation

- (d) 3 Visible Outlines (2 sloping + 1 horizontal)  **1 mark**
- (e) Establish 12 accurate points for curve creation **2 marks**
10-12 points = 2 marks
6-9 points = 1 mark
- (f) Rear curve shown as hidden detail  **1 mark**



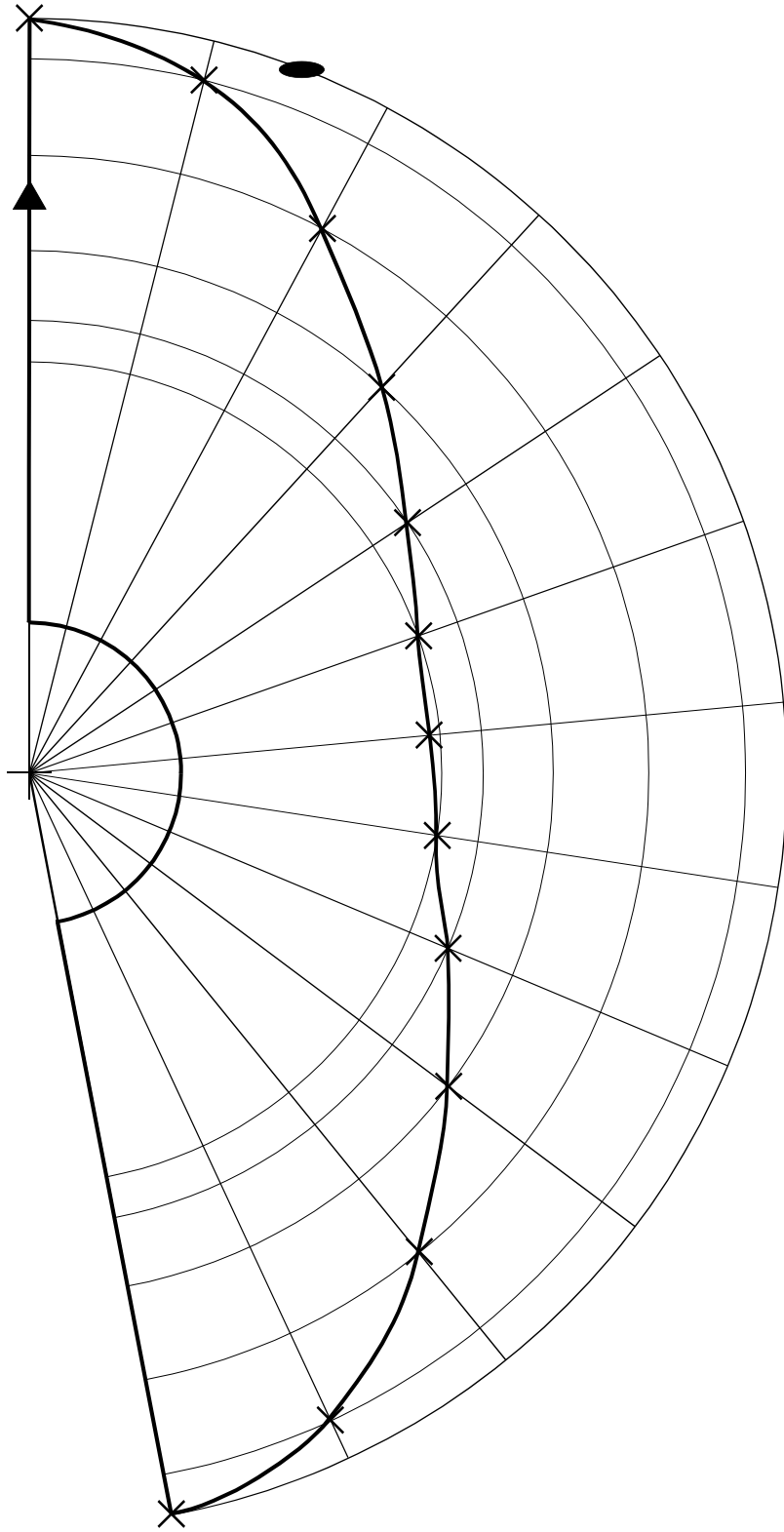
Question 7 (continued)

Lampshade

Development

- | | | | |
|-----|---|---|----------------|
| (g) | Development arc constructed using true length | ▲ | 1 mark |
| (h) | Establish 12 accurate divisions (+/- 12mm) | ● | 1 mark |
| (i) | Establish 13 accurate points for curve creation | | 2 marks |
| | 10-13 points = 2 marks | | |
| | 6-9 points = 1 mark | | |
| (j) | 2 cut edges + curve | | 1 mark |

Total 13 marks









Development

Question 8

Coffee cup and Saucer

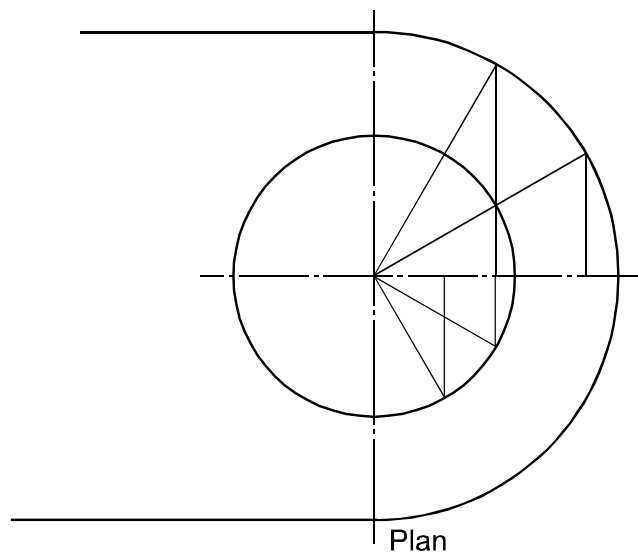
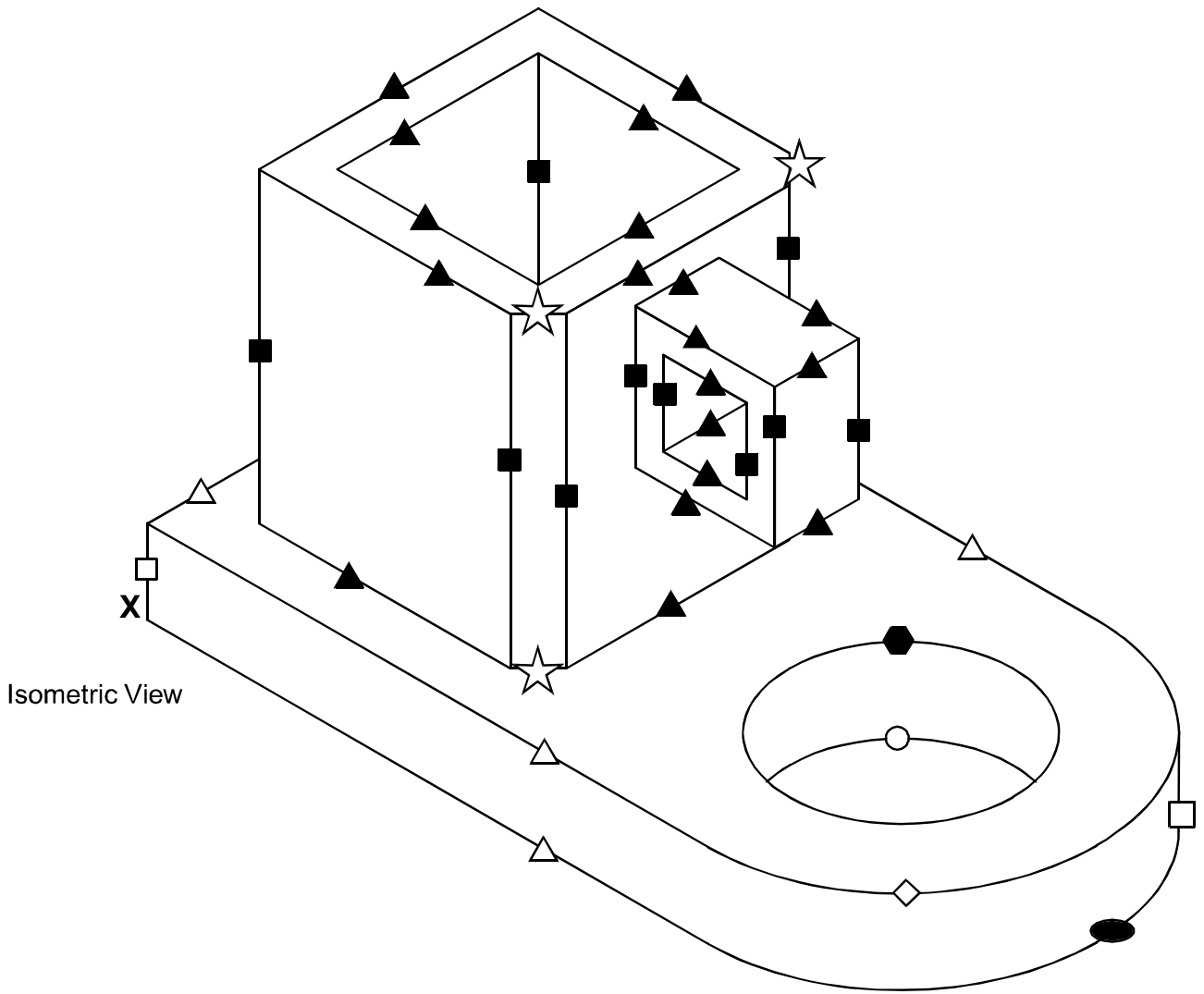
Saucer

- (a) 4 isometric lines  +2 vertical lines  **1 mark**
5-6 lines = 1 mark
- (b) Circles on Saucer Plan split (generators) **1 mark**
Minimum of 4 generators required for 1 mark
- (c) 7 accurate points Isometric curve creation (upper)  **2 marks**
6-7 points = 2 marks
4-5 points = 1 mark
- (d) 6 accurate points Isometric curve creation (lower)  **1 mark**
- (e) 12 accurate points Isometric curve creation (upper)  **2 marks**
10-12 points = 2 marks
6-9 points = 1 mark
- (f) 6 accurate points Isometric curve creation (lower)  **1 mark**
4-6 points = 1 mark

Coffee Cup

- (g) 10 vertical lines  **2 marks**
8-10 lines = 2 marks
5-7 lines = 1 mark
- (h) 19 Isometric lines  **3 marks**
17-19 lines = 3 marks
13-16 lines = 2 marks
9-12 lines = 1 mark
- (i) 3 Chamfer lines  **1 mark**






Total 14 marks



Question 9

Travel Mug

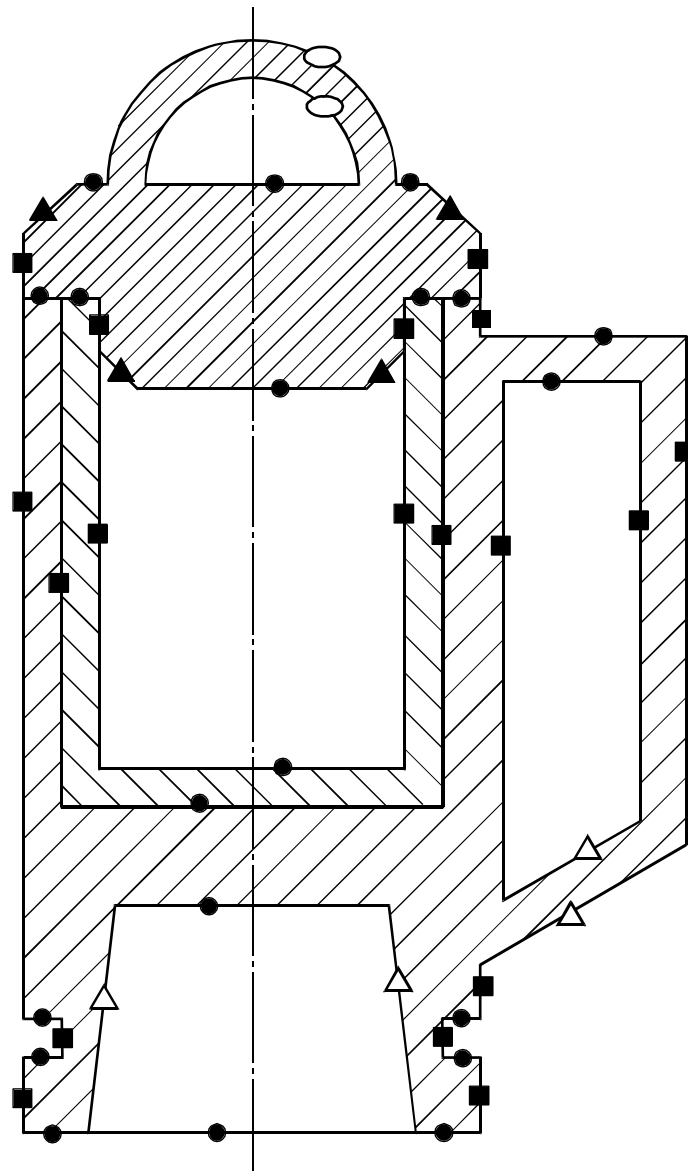
Assembled sectional elevation

- (a) 20 Horizontal lines  **3 marks**
17-20 lines = 3 marks
11-16 lines = 2 marks
8-10 lines = 1 mark
- (b) 18 Vertical lines  **3 marks**
15-18 lines = 3 marks
11-14 lines = 2 marks
8-10 lines = 1 mark
- (c) 4 Angled lines  **2 marks**
4 lines = 2 marks
2-3 lines = 1 mark
- (d) 4 Angled lines @ 45 degrees  **1 mark**
- (e) 2 Semi-circles  (both required) **1 mark**

Hatching of parts

- (f) Hatching **2 marks**
Hatching correctly applied to:
1-2 parts = 1 mark
3 parts = 2 marks
- (g) Hatching BS **1 mark**
Differentiation of hatching applied to all assembled components as per
BS conventions = 1 mark

Total 13 marks



Sectional Elevation on A-A

[END OF MARKING INSTRUCTIONS]