

2011 Graphic Communication Standard Grade – Credit Finalised Marking Instructions

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2011 Graphic Communication SG Credit Marking Instructions

- **1 (a)** 1 Ability to create a library of commonly used parts/ease of storage/greater accuracy/layer a drawing
 - 2 Easier to edit drawings/creation of new design from existing/ standardisation
 - 3 Easier to send drawing to other places (e-mail) KI 3
 - **(b)** 1 Possibility of data loss. Need to train staff.
 - Possibility of system failure/crash Data security/hacking/
 viruses etc
 KI 2
 - (c) 1 Drum plotter
 - 2 Flatbed plotter

KI 2

- (d) 1 Scanner (any kind hand held, flatbed etc)
 - 2 Digitiser KI 2

TOTAL KI 9

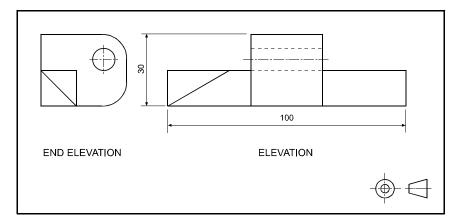
2 (a) 1 2

2 6 KI 2

(b) Drawing X Orthographic 3rd angle projection

KI 1

(c)



KI2

DRAWING X

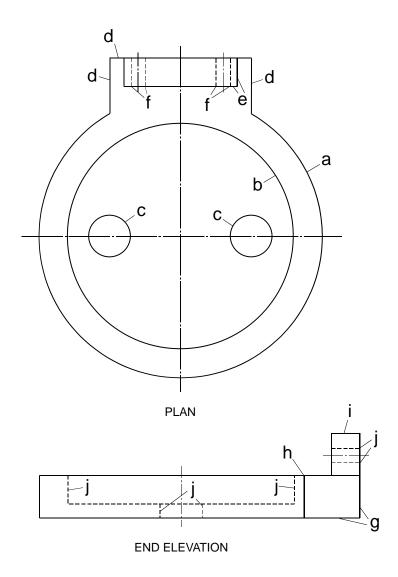
TOTAL KI 5

Height – can accept on end elevation and any height ie '15'.

3	(a)	Sect Sect	ion AA ion BB ion CC ion DD	3 11				KI 4
	(b)	1			he object being drawn/the e drawing	amount of detail		
		2	The	size of	he paper used to produce	the drawing		KI 2
							TOTAL KI 6	
4	1 2 3 4 5 6 7 8 9 10 11 12	Fille Dele Hate Cha Arra Circ Ellip	ch/patte mfer/tr y/box a le/poin ose n/break t	ound ern fill im beve array/re t circle	tangle array			KI 12
							TOTAL KI 12	
5	(a)	(i)	DTP/	desktop	publish/ing/er			
		(ii)	Illustr	ation/pa	nt – 3D modelling			
		(iii)	CAD	– writte	in full ie computer aided d	lrawing/drafting		KI 3
	(b)	Devi	ce 1	Las	r printer			
		Devi	ce 2	Ink-	et printer			KI 2
	(c)	(i)	View	X	Wire frame			KI 1
		(ii)	1	Solid				
			2		e rendered			KI 2
				Surfa	U		TOTAL KI 8	

Question 6

Plan			
(a)	Outer circle		1
(b)	Inner circle		1
(c)	2 holes (correct size and pos	sition)	1
(d)	Back (3 lines)		1
(e)	Rectangle		1
(f)	Holes hidden detail (both)		1
		Total DA	6
End	Elevation		
(g)	Length and breadth		1
(h)	Line		1
(i)	Rectangle		1
(j)	Hidden detail		2
	(7 from 7 for 2; 5 from 7 for 7	1)	
		Total DA	5



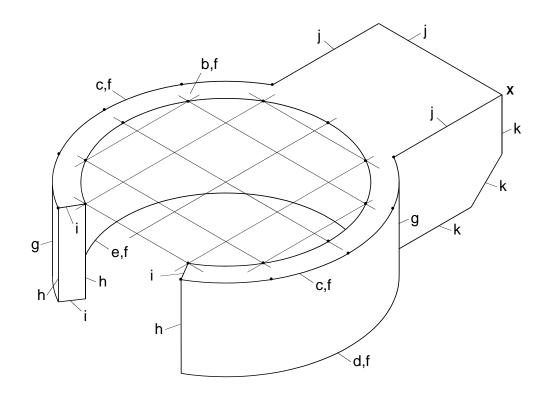
No mark for projection so can accept other positions

Question 7

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150		-11	11:
		•••	••

(a)	Divide circle on plan	1
(b)	Establish points for inner circle	3
	(11 points for 3; 8 for 2, 4 for 1)	
(c)	Establish points for outer circle	3
	(10 points for 3; 7 for 2, 3 for 1)	
(d)	Part circle (construction evident)	1
(e)	Part circle (construction evident)	1
(f)	Good freehand curves	2
	(5 for 2 marks; 3 for 1)	
(g)	Tangent lines (both)	1
(h)	3 vertical lines	1
(i)	3 lines	1
(j)	Top of block (3 lines)	1
(k)	Side of block (3 lines)	1

Total DA 16



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Question 8 (a)

End Elevation

(a)	Divide plan & project to elevation	1
(b)	Generators on end elevation	1
(c)	Outline of bottom cone (4 lines)	1
(d)	12 points on top cone	2
	(8 points for 1 mark)	
(e)	Good freehand curve	1
(f)	Outside edges	1

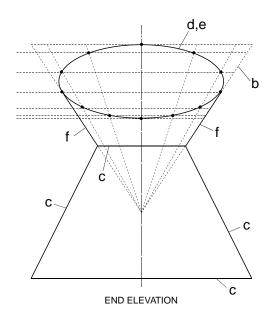
Total DA 7

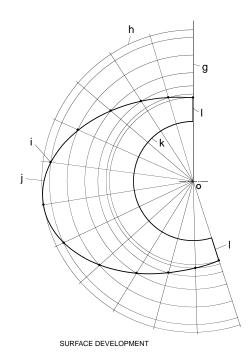
Question 8 (b)

Surface Development

- u	acc Borolopillolli	
(g)	True length used to draw arc	1
(h)	Arc divided into 12	1
(i)	Find 12 points	2
	(8 points for 1 mark)	
(j)	Good freehand curve	1
(k)	Semi circle	1
(l)	Edges	1
	-	

Total DA 7



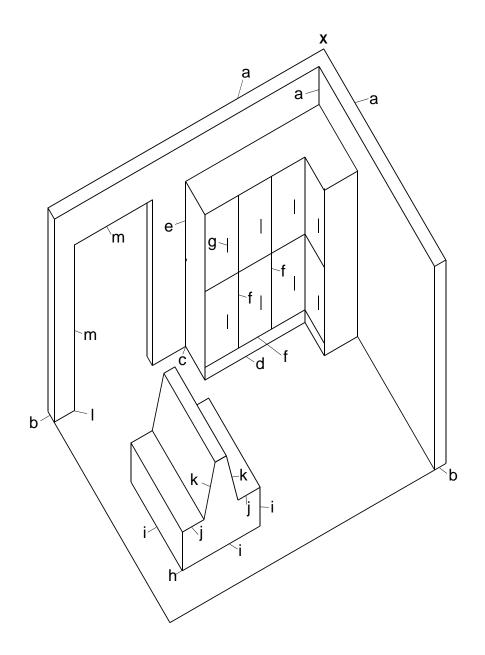


Question 9

Planometric

(a)	Length, breadth and height walls (all)	1
(b)	Wall thickness (both)	1
(c)	Position of lockers (from any corner)	1
(d)	Lockers drawn correct size on floor	1
(e)	Height of lockers	1
(f)	Plinth and doors shown	1
(g)	Handles shown	1
(h)	Position of bench	1
(i)	Length, breadth and height	1
(j)	Step in 20mm	1
(k)	Back rest	1
(l)	Door position	1
(m)	Door length and height and depth	1

TOTAL DA 13



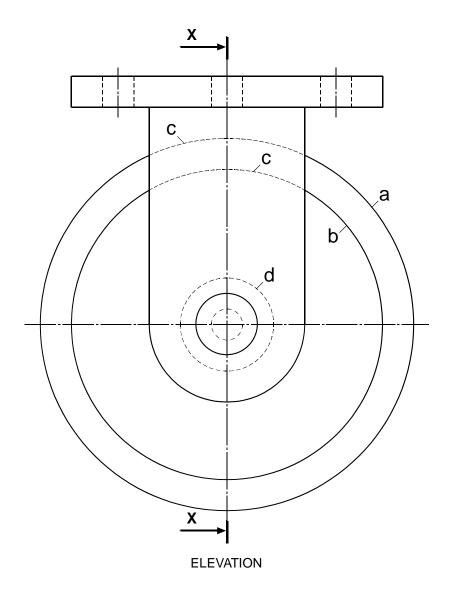
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Question 10 (a)

Elevation

(a)	Circle diameter 120	•
(b)	Circle diameter 100	•
(c)	Part circles (hidden)	•
(d)	Hidden circle diameter 30	•

TOTAL DA 4



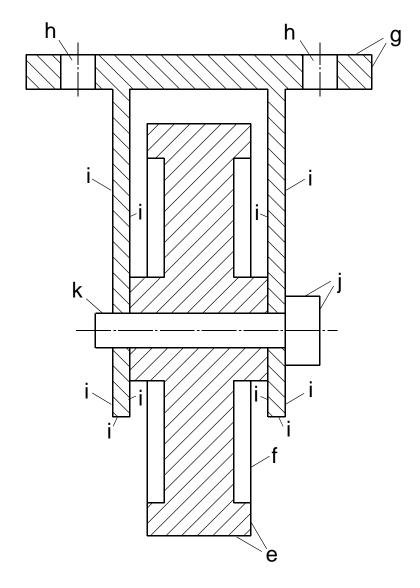
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Question 10 (b)

Sectional End Elevation (e) Height and breadth of wheel

(e)	neight and breadth of wheel	I
(f)	Recess in wheel	
	(4 for 2, 2for 1)	2
(g)	Top plate (Breadth and height)	1
(h)	Holes in top plate; both	1
	(outline; size + position)	
(i)	Sides of cradle; 10 lines	2
	(10 for 2, 6 for 1)	
(j)	Head of pin	1
(k)	Body of pin	1
(I)	Hatching 7 areas	2
	(6-7 for 2; 4-5 for 1)	
(m)	Hatching correct BS convention	1
	(45° and opposing directions)	

Total DA 12



SECTIONAL END ELEVATION ON X-X

[END OF MARKING INSTRUCTIONS]