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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2010 question paper for the guidance of teachers

0445 DESIGN AND TECHNOLOGY

0445/22

Paper 2 (Graphic Products), maximum raw mark 50

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

• CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the October/November 2010 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

	Page 2	Mark Scheme: Teachers' version		Syllabus	Paper	
		IG	CSE – October/November 2010	0445	2	2
	Centre circle Outside hex of Outside hex of Diagonals ev 6 petals 6 petals to co Stem Leaf: R35 of Chord	any size correct size ident orrect size (juadrant	e 50 side		(1) (1) (1) (1) (1) (1) (1) (1)	[9]
			ון	otal: 9]		
	Complete rectangle to size 160 long Accuracy and proportion of:				(1)	
	E R				(1) (1)	
	S Spacing				(1) (1)	
	Height				(1)	[6]
						otal: 6]
A3		s (similar si	ze to given) cal & constructed		(1) (1) (1)	[3]
	Neck – 4 3 square	rrect – 80 s	iidden detail ic		(1) (1) (1) (1)	[4]
	Side viev	W				
	Length o Length o	of long side of petal	80 20		(1) (1)	
	Overall h		93 +/-2		(1)	[3]
B4	(a) Plan and Plan leng Plan wid Thicknes Thicknes	gth th ss top ss sides	92.5 92.5 2 mm 2 mm		(1) (1) (1) (1)	
	Thicknes	ss bottom	2 mm		(1)	[5]

-	. u	ge o	10005 October (Newsonshorn 2014)	Oyllabus	<u> </u>	apei
			IGCSE – October/November 2010	0445		22
	/ b\	Contro	continue of 4 holos			
	(D)		ositions of 4 holes		(4)	
			ls – correct spaces		(4)	
		2 11011201	ntals – correct spaces		(4)	
		Plant no	t in position on plan			
		•	representing top of plant pot		(1)	
		Ø70 to s			(1)	
		2.0.00	54.5		(·)	
		A circle r	representing bottom of plant pot		(1)	
			le (Ø50 – thickness) to scale		(1)	
			,		()	
		Correct p	position on plan		(1)	[13]
	(c)		t in position on front elevation			
		Ø70 proj			(1)	
		Ø50 proj			(1)	
		Height 5	0 from top base to p/ll top		(1)	[3]
	(d)	The corr	ect size hole needed in top			
	(u)		3 +/- 2mm (Ø66 to scale)		(1)	
			f 3 spare positions		(1)	
			e of projection 0–2 pr		(2)	[4]
		LVIGOTIO	o or projection of 2 pr		(-)	۲۰,1
					[Total: 25]
					_	_
D.F.	(-)	D:/	4			
B2	(a)	Pie char			(4)	
		Circle dr			(1)	
		Divided i			(1)	
		Correct	450/1200/300			
			430/1200/300 7 / 45° / 120° / 30° (max4)		(4)	
			sectors – clear labels		(4)	[8]
		Z laryesi	. Sectors – Clear labers		(2)	[ပ]
	(b)	Two dim	ensional chart			
	(2)		ate method (e.g. bar)		(1)	
			scale selected		(1)	
			ion correctly plotted ×5		(5)	
		Labels e			(1)	
			nhancement		(1)	[9]
					()	
	(c)	_	ures for annual report		(0)	
			to match garden plants pr 1–2		(2)	
			to match cut flowers pr 1–2		(2)	
		-	plants larger than cut flowers		(1)	
			plants approx 2.5 × larger than cut flowers		(1)	
		Labels e			(1)	F07
		Colour e	nhancement		(1)	[8]

Mark Scheme: Teachers' version

Syllabus

Paper

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