## 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

0445/23

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	e 2 Ma	Mark Scheme: Teachers' version		Paper	
		IGO	CSE – October/November 2010	0445	23	
A1	Outsi Outsi Diago 6 peta 6 peta Stem	als to correct size o	50 side		(1) (1) (1) (1) (1) (1) (1) (1) (1)	[9] otal: <b>9]</b>
				ניי	otai. 9j	
A2	Accui E R	plete rectangle to s racy and proportion		(1) (1) (1) (1)		
		<b>S</b> Spacing				
	Heigh	_			(1) (1)	[6]
					[To	otal: 6]
A3	T	Curved top wo arcs (similar siz wo arcs symmetric			(1) (1) (1)	[3]
	) E N 3	Plan +/- 1 mm Base correct – 80 s Neck – 40 square h S squares concentri Petal top – 58 squa	idden detail c		(1) (1) (1) (1)	[4]
	L	Side view ength of long side ength of petal Overall height	80 20 93 +/-2		(1) (1) (1)	[3]
					[Tot	al: 10]
				-	-	
B4	F F T	Plan and F. E Plan length Plan width Thickness top Thickness sides Thickness bottom	92.5 92.5 2 mm 2 mm 2 mm		(1) (1) (1) (1) (1)	[5]

Page 3		3	Mark Scheme: Teachers' version		S	Syllabus 0445		Paper	
			IGCSE – October/November 2010						23
(i	2 v	erticals	sitions of 4 holes  – correct spaces als – correct spa	S				(4) (4)	
	Αc	Plant pot in position on plan A circle representing top of plant Ø70 to scale						(1) (1)	
			oresenting botto (Ø50 – thicknes					(1) (1)	
	Co	rrect po	sition on plan					(1)	[13]
(0	Ø7 Ø5	0 projec 0 projec						(1) (1) (1)	[3]
((	Siz In d	e Ø33 one of 3	et size hole need +/- 2mm (Ø66 to spare positions of projection 0–2	scale)				(1) (1) (2) [T	[4] otal: <b>25]</b>
B5 (a	Cir Div Co	chart cle drav vided int rrect div	o 5 visions					(1) (1)	
	75°	° / 90° /	50/1200/300 45° / 120° / 30° ectors – clear la	` '				(4) (2)	[8]
(i	Ap <sub>l</sub> Sui Info Lat	propriate itable so ormation bels evic	nsional chart e method (e.g. b cale selected n correctly plotte dent nancement	•				(1) (1) (5) (1) (1)	[9]
(0	Syı Syı Ga Ga Lat	mbol to mbol to Irden pla Irden pla bels evid	es for annual rep match garden p match cut flowe ants larger than c ants approx 2.5 a dent nancement	lants pr 1–2 rs pr 1–2 cut flowers	cut flowers			(2) (2) (1) (1) (1) (1)	[8]

[Total: 25]