## **CAMBRIDGE INTERNATIONAL EXAMINATIONS**

**International General Certificate of Secondary Education** 

## MARK SCHEME for the October/November 2012 series

## 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 should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge will not enter into discussions about these mark schemes.

Cambridge is publishing the mark schemes for the October/November 2012 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.

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Page		ge 2	Mark Scheme	Syllabus	3.0
			IGCSE – October/November 2012	0445	Ag.
<b>A</b> 1	(a)	45° line ( Part octa Regular <sub>I</sub>	of one side (1)		M. Papa Cambridge.
	(b)	Cup Top (1) Bottom ( Side (1)	(1)		[3]
	(c)	Semi-ciro	cle to fit (1)		[1]
					[Total: 9]
A2	(a)	Accuracy <b>A</b> (1) <b>U</b> (1) Spacing Height (1			[4]
	(b)	Border e	evident (1) rical (1)		[2]
					[Total: 6]
А3	(a)	Hexagon	n drawn pictorially (1) n is isometric to O/L (1) f hexagon box correct to O/L (1)		[3]
	(b)	Semi-circ Semi-circ Burger fil	Burger 54 (1)1 cle plots evident (1) cle drawn to O/L (1) illing 8 thick (1) oun (lower part) 54 x 8 (1)		[5]
	(c)		op face (1) 4 or greater (1)		[2]

[Total: 10]

			mm				
Page 3		Mark Scheme	Syllabus				
		IGCSE – October/November 2012	0445				
B4 (a	Height o Handle 1 Finger sl Two tape	Mark Scheme  IGCSE – October/November 2012  F.E. Width 122 (61) (1) Height of container 80 (40) (1) Handle 110 (55) above container (1) Finger slot correct size 78 x 20 (39 x 10) (1) Two tapered sides 2 x 1 (2) Tenon of divider (1)  Syllabus  0445  ITALE  ITALE					
(b	Four spa Four spa Card wa	square 122 x 122 (61 x 61) (1) aces evident (1) aces 52 x 52 (26 x 26) (1) Ils shown 3 mm thick (1) detail to show finger hole (1)	[5]				
(c	Height p Handle p	22 (61) (1) rojected from F.E. (to cand soln) (1) projected from F.E. (to cand soln) (1) detail to finger slot (1)	[4]				
(d	Ø26 circ Ø10 circ Ø26 – 10 angle Ø2 Ø10 to 7	centric circles evident (1) le in location <b>D</b> on plan (1) le in location <b>D</b> on plan (1) le in location <b>D</b> on plan (1) 00 mm (50) high on F.E. (1) 26 to Ø10 on F.E. (1) 75 high on F.E. (1)					

Candidate solution projected to E.E. (1) Hidden detail of bottle shape on F.E. (1) Hidden detail of bottle shape on E.E. (1)

[9]

[Total: 25]

Page 4		ao 1	Mark Scheme	Syllabus	Y.D
	Га	ge 4	IGCSE – October/November 2012	0445	Ph.
B5	(a)	5 main p Centre p	anels (1) anel 100 wide (1)		N. PapaCambridge
			deep (1) s to base min 10 wide (2 x 1) (2)		[3]
		Lettering	0 tall rectangle (1) wings (2 x 1) (2) ded to R/H wing (1)		[4]
		Minor ax Some ev Correct of	hape evident (1) is 50 (25 to scale) (1) ridence of construction (1) construction shown (1) candidate plots (1)		[5]
		Two flap	es 40 x 70 (2 x 1) (2) s added to 70 long (2 x 1) (2) fold lines correctly shown (4 x 1) (4)		[8]
	(b)	Tab evid Slot evid Locking	` ,		[3]

[Total: 25]