CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the May/June 2014 series

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 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 May/June 2014 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.



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Page 2		ge 2	Mark Scheme	Syllabus	Paper
			IGCSE – May/June 2014	0445	23
			Section A		
A1	(a)	Rectang On centr	ine (octagon) le 90 × 45 (1) e line (1) jonal arcs from corners (1) arcs (1)		[4]
	(b)	Semi circ Ø 50 on	cle correct centre (1)		[1]
	(c)		<i>iler</i> al chimney to cab (1) poiler to cab (1)		[2]
	(d)	<i>Chimney</i> 15 wide Top leve			[2]
	(e)	Missing (Ø 30 (1) Correct p	wheel position/alignment (1)		[2] [Total: 11]
A2	Acc T (1 R (1 Spa	1)	d proportion of:		[4]
					[Total: 4]
А3	Ler Ler Doo Cer Wir Cer Min	ngth to righ ngth to left or 40 w 60 h ntral on LH ndow 40 w 35 H ntral on RI ntral on RI ntwo lines	vide (1) ligh (1) HS (1) to VP1 (1)		
	Min	two lines	to VP2 (1)		[10]
					[Total: 10]

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Page 3		ge 3	Mark Scheme	Syllabus	Paper
			IGCSE – May/June 2014	0445	23
			Section B		
B4	(a)	Tray sho Tray wid Tray leng Tessellat Indent de	formed tray wn in isometric (1) th 80/82 (1) gth 160/164 (1) ted shape for indent to size (2) ted shape 60° ends (2 × 1) (2) epth evident (1) hape depth 10 (1)		[9]
	(b)	Two larg Two sma Two sma One end One end One long Three glu	ment e sides evident (2×1) (2) e sides 80×42 (2 × 1) (2) all sides evident (2 × 1) (2) all sides 80×26 (2 × 1) (2) evident (1) 42×26 (2 × 1) (2) g glue flap (on 80 side) (1) ue flaps for end (3 × 1) (3) er cut-out (1)		[16] [Total: 25]
B5	(a)	Central f Two side Height of Support	00 (1)		[8]
	(b)	Two high 3 / 4 from Two ang Angles li	ment a all same width as given (6) n rectangles next to join (1) n join 80 high side (1) led sides evident (2 × 1) (2) ne 40 high to 100 (1) a flap on join (correct position) (1)		[12]
	(c)	Regular Supporti	surface h drawn (1) hexagon drawn 40 side (1) ng flaps drawn (1) ar flaps shown (1)		
			30 deep (1)		[5]
		·			
					[Total: 25]