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.



Page 2		ge 2	Mark Scheme	Syllabus	Paper
			IGCSE – May/June 2014	0445	23
			Section A		
A 1	(a)	Rectangl On centr	onal arcs from corners (1)		[4]
	(b)	Semi circ Ø 50 on	cle correct centre (1)		[1]
	(c)		iler al chimney to cab (1) poiler to cab (1)		[2]
	(d)	Chimney 15 wide (Top leve			[2]
	(e)	Missing v Ø 30 (1) Correct p	wheel position/alignment (1)		[2] [Total: 11]
A2	Acc T (1 R (2 Spa	l)	d proportion of:		[4] [Total: 4]
А3	Length to right approx. 140 (1) Length to left approx. 100 (1) Door 40 wide (1) 60 high (1) Central on LHS (1) Window 40 wide (1) 35 High (1) Central on RHS (1) Min two lines to VP1 (1) Min two lines to VP2 (1)				[10]

[Total: 10]

Pa	age 3	Mark Scheme	Syllabus	Paper
		IGCSE – May/June 2014	0445	23
		Section B		
4 (a)	Tray sho Tray wid Tray leng Tessella Tessella Indent de	formed tray own 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) nape depth 10 (1)		[9
(b)	Two larg Two sma Two sma One end One end One long Three gl	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
5 (a)	Height 1 Width 80 Three fa Central f Two side Height o Support	00 (1)		3]
(b)	Two high 3 / 4 fror Two ang Angles li	ment s 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) e flap on join (correct position) (1)		[12
(c)	Regular Supporti	surface n drawn (1) hexagon drawn 40 side (1) ng flaps drawn (1) lar flaps shown (1)		

[Total: 25]

[5]

Six regular flaps shown (1) Six flaps 30 deep (1)