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CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2013 series

0445 DESIGN AND TECHNOLOGY

0445/21 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 2013 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.

Page 2		ge 2	Mark Scheme	Syllabus	1
		90 -	IGCSE – October/November 2013	0445	-
A 1	(a)	Head and horizontal arm Ø40 circle (1) Bottom line of horizontal arm (1) Top line (two parts) to touch raised arm (1)		Syllabus 14-14-17 TO 14-15 TO	100.
	(b)		m 16 wide touching circle (1) n 16 wide touching circle (1)	[3]	l I
	(c)	Lower le	g 60° to centre line (1) g 60° to centre line (1) 10, inner 90° (1)	[3]	
				[Total 9]	ł
A2	(a)	lettering Accuracy E (1) R (1) Spacing Height (1)		[4]	l
	(b)	Signboar Border c Symmetr	omplete (1)	[2] [Total 6]	_
А3	(a)	Ø50 Circ Ø50 colu Column s Repeat & Any octa 30 Regul	re base × 20 high (1) cle drawn with plots (1) Imn to drawn circle (1) shown 80 high (1) Ø 50 from plots (1)	[8]]
	(b)		thin line e outer on octagon (1) inner on octagon (1)	[2] [Total 10]	=

Pac		ge 3	Mark Scheme	Syllabus	7.0
		J	IGCSE – October/November 2013	0445	Ag.
B4	(a)	5 extra s three furt glue tabs glue tabs fold line a 4 × Fold Half ellip Half ellip Construct	ment ected surfaces (1) urfaces to O/L incl full lid PR (5) ther glue tabs (on 40 edge of 70 long sides) (3) is 8/9 wide (1) is angled ends 45° (1) at 35mm to lid (1) lines correct convention PR (4) se drawn (1) se to size (1) etion (0–2 Pr) (2) rientated on correct half ellipse (1)		[Total 21]
	(b)	Slot Extra Notes: Evid	- suitable method on back, etc. (1) a tab to tuck-in, etc. (1) ent (1) d (1)		[2] [Total 4]
B5	(a)	Full size	view		
Б3	(a)	Outer red	ctangle Ilar rectangle on corner A (1) 40 (1)		[3]
		10 × sem	cle all (1) 80 space (to L of fold) (1) i-circle R40 on centre line (1) d lines (2 × 1) in correct posn (2)		[5]
		Mind On d Cons	pse or axis 120 (60 shown) (1) or axis 80 (1) centre lines given (1) struction Pr 0–2 (2) urate outline to construction (1)		[6]
		Wate Step	e of pool shown (1) er level with ellipse (1) o 50 from fold (1) o level with foot (1)		<u>[4]</u>

[Total 18]

Pag	ge 4 Mark Scheme	Syllabus
	IGCSE – October/November 2013	0445
`´ I	Plan view Bends at correct position (2 × 1) (2) Sides 70 & 70 shown bent back @ 90° (1)	Cambridge co.
	Joining Additional card + joint Pr 0–2 (2)	

(c) Joining
Additional card + joint Pr 0–2 (2)
Notes Pr 0–2 (2)

[4]

[Total 7]