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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2009 question paper for the guidance of teachers

0445 DESIGN AND TECHNOLOGY

0445/02

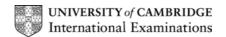
Paper 2 (Graphic Products), maximum raw mark 50

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 2009 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



	Page 2	Mark Scheme: Teachers' version	Syllabus	Paper
		IGCSE – October/November 2009	0445	02
1	Hexagon – 6 Regular Orientation	sides	(1) (1) (1)	
	Triangle – co Equilateral	rrect size on centre line	(1) (1)	
	Path Rectangle	side × 2 length of side × 2	(2) (2)	[4]
				[Total: 9]
2	Accuracy and proportion of: R T Y Spacing Height			[6]
				[TOtal. 0]
3	Slot: de he Top: sl	o top of shoulder epth eight houlder depth adius adius plots evident	(1) (1) (1) (1) (1) (1)	
	(b) Thin line Thick line Thick/thin	e outer edge	(1) (1) (1)	

[Total: 10]

	Page 3		Mark Scheme: Teachers' version	Syllabus	Paper 02		
			IGCSE – October/November 2009				0445
4	(a) (i)	62 × 20 × 2 arı 2 leç 2 fee Was	20 body 30 hips ms 58 long gs 50 long et 18 sq hers evident	2 × 1		(1) (1) (2) (2) (2) (2) (1) (1)	10]
	(ii)	Ø30 Thin Body Feet		+/– 2 mm 0		(1) (1) (1) (1) (1)	[5]
	(iii)	Cen Ellip Con	IPTICAL BA tre lines used tical outline struction evid ected to F.E.	d as axis		(1) (1) (2) (1)	[5]
	(b) Sk	Goo	d sfactory	ommunication		(3) (2) (1)	[3]
	No	otes: Goo Evid				(1) (1)	[2]

	IGCSE – October/November 2009	0445	02				
(a) Front View							
(a)	(1)						
	First angle		(1)				
	In projection with PLAN		(1)				
	Overall height Cut out:		(1)				
	horizontal base line to side 4		(1)				
			(1)				
	horizontal base line to side 5		(1)				
	60–90 slope to top of side 4		(1)				
	horizontal top of side 5		(1)				
	vertical edge to side 6		(1)				
	Plan view						
	Regular octagon		(1)				
	Orientation to match E.V.		(1) [10]				
(b)	Development						
(~)	8 equal width sides		(1)				
	window has full panels on both sides		(1)				
	window width over panels 4, 5 & 6		(1)				
	window flat top in middle		(1)				
	window height in middle 45		(1)				
	2 sloping sides		(1)				
	Development starts at given joint		(1)				
	Lid regular octagon		(1)				
	3 flaps to lid 3 × 1		(1) (3) [11]				
			(3) [11]				
(c)	Octagonal shape		(1)				
(-)	Satisfies brief		(1)				
	Has fold down flaps 60 long		(1)				
	Notes		(1) [4]				

Mark Scheme: Teachers' version

Syllabus

Paper

Page 4

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[Total: 25]