UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the November 2005 question paper

0445 DESIGN AND TECHNOLOGY

0445/02

Communication maximum raw mark 60

This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which Examiners were initially instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began. Any substantial changes to the mark scheme that arose from these discussions will be recorded in the published Report on the Examination.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes must be read in conjunction with the question papers and the Report on the Examination.

The minimum marks in these components needed for various grades were previously published with these mark schemes, but are now instead included in the Report on the Examination for this session.

CIE will not enter into discussion or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the November 2005 question papers for most IGCSE and GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

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Pag	je 1		Mark Scheme		Sylla	'A	Raper	
			IGCSE – November 2005		044	100		
Q1	(a)	Sketching quality Investigation of a (max. 2 for one ic	t least two suitable development	up t ts up t	to 3 to <u>4</u>	7	Cannon de Co	1
	(b)	– 9	vould hold 6 bars accuracy of sizes gluing flaps sufficient 2, adequate laps for lid	up t e size 2, up t		<u>14</u>	.8	7
	(c)	Effective used of Quality of presen Design suitable for	tation	up t up t up t	to 3	9 30	<u>0</u>	l
Q2	(a) :	Accuracy of three Letters equi-space			2 3 1 1	<u>7</u>		
	(b)	 accura shown hexago co rectang co cylinde co 	ly projected above FV cy – base 2 x 1 partly as hidden detail onal prism – 6 sides	sm	2 2 1 1 1 2 1 1 2	<u>15</u>		
	(c)		all shown (allow up to 2 omitted in accordance with BS	d) up t	5 to <u>3</u>	8 30	<u>0</u>	
Q3	(a)	Sketching quality Suitable investiga		up t		<u>5</u>		
	(b)	– dia – tria – he – oc – ell 8mm spacing as Quality of layout	rcles 2 x 1 amond angle (any way round) exagon etagon ipse – construction – accuracy – correctly positioned a specified	up t up t up t up t up t	to 2 to 2 to 2 to 3 1 1 to 2 to 5	11 5		
		– od – ell 8mm spacing as	stagon ipse – construction	up t up t up t	to to to	2 3 1 1 2	2 11 3 1 1 5 2 5	2 11 3 1 1 5 2 5

			_			1	4		
Page 2						Sylla	·vo		Paper
			IGCSE – November 2005			0445		00	
Q4	(a)		Hexagonal 1, prism 1 Cylinder		·	<u>2</u> 1	<u>2</u> 1	S	Andriage C
	(b)	Line quality Correct scale Accuracy of cylinder 2 x 1 Touches the other two pots Accuracy of hexagonal prism		size 2 x 1six-sided shaperegulartouches the other	er 2 pots	1 1 2 1 2 1 1 1	<u> 10</u>		Se.C.
	(c)	Suit Pot Sam Goo	tching quality able pictorial view A to the front ne arrangement as (b) nd proportions of A, B and on the same base	С	up to up to	2 2 1 1 9 2	<u>6</u> 11	<u>30</u>	
	Total for Paper							60	