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	ge 1		Mark Scheme IGCSE – November 2005		Sylla			
Q1	(a)	Inve	ching quality	up to up to	Sylla Paper 0445 3 4 7			
	(b)	Deve	 – gluing flaps sufficient 2, adequate size 	up to 2, up to	2 6 4 <u>2</u> 14			
	(c)	Qua	lity of presentation	up to up to up to	3 3 <u>3</u> 9 30			
Q2	(a)	Accu Lette	e height and width as given letters 2 x 1 uracy of three letters 3 x 1 ers equi-spaced ue style (Give credit for straight-sided O)		2 3 1 <u>1</u> 7			
	(b)	Plan	 correctly projected above FV accuracy – base 2 x 1 shown partly as hidden detail hexagonal prism – 6 sides — regular — correctly located on base rectangular prism – size 2 x 1 — correctly located on hexagonal prism cylinder - size — correctly located centre lines shown 2 x 1 		2 1 1 1 1 2 1 1 1 2 15			
	(c)	Dime	ensioning – all shown (allow up to 2 omitted) – in accordance with BS	up to	5 3 8 30			
Q3	(a)		•	up to up to	2 <u>3 5</u>			
	(b)		 triangle (any way round) hexagon octagon ellipse – construction accuracy correctly positioned 	up to up to up to up to up to	1 2 2 2 2 2 2 11 3 1 1 5			
		Qua	lity of layout	up to up to up to	2 5 <u>2 9 30</u>			

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Page 2		Mark Scheme			Sylla	.0	Pap	er
		IGCSE – No	ovember 2005		0445	1	Ban	_
Q4 (a)		Hexagonal 1, prism 1 Cylinder			<u>2</u> 1	<u>2</u> 1	Da Cann	bride
(b)	Corr Acci Tou	e quality rect scale uracy of cylinder 2 x 1 ches the other two pots uracy of hexagonal prism	size 2 x 1six-sided shaperegulartouches the othe	er 2 pots	1 1 2 1 2 1 1 1	10	•	90
(c)	Suita 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 up to 3 x 3 up to	2 1 1 9	<u>6</u> 11	<u>30</u>	

Total for Paper