

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the November 2005 question paper

0445 DESIGN AND TECHNOLOGY		
0445/03	Realisation	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.

Page 2	Mark Scheme	Syllabus
	IGCSE – NOVEMBER 2005	0445

3	(a)	(i)	avoid slipping	1	x	2			
		(ii)	safety/accuracy	1	x	2			
		(iii)	Protection avoid damage	1	x	2	6		
	(b)		weld chem./action together using solvents. safety issues	1	x	3	3		
	(c)		Draw filing abrasives polish safety/presentation	1	x	3	3		
	(d)	(i)	Any two examples of thermoplastic	1	x	2			
		(ii)	Any two examples of thermosetting	1	x	2			
		(iii)	difference fully explained	1	x	2	6		
	(e)		Slot cut in front of container. Interior slightly larger	1	x	3	3		
	(f)		Correct use of strip heater. Accuracy templates	1	x	9	9	30	
			Tools etc						
4	(a)		waterproof, can be made from one piece, easy to join	1	x	2	2		
	(b)		well sketched development. [net]	1	x	8	8		
	(c)	(i)	any two marking out tools. tool 2. quality 1.	1	x	3			
		(ii)	'' '' ''	1	x	3	6		
	(d)	(i)	good description of use of shears, tab, accuracy	1	x	5			
		(ii)	turning edges , draw filing, safety	1	x	3			
		(iii)	use guide strips, folding bars	1	x	3			
		(iv)	pop riveting, suitable glue.	1	x	3	14	30	