MNN. Xirerne Babers Com

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

0445/01

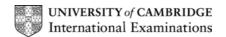
Paper 1 (Common Core), maximum raw mark 50

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	01	
(a)		any four suitable points – stable in use, easy to me qualified safety, attract attention, etc. (no repeats of qualified safety).		×4) [4]	
(b)	•	drawings of any two suitable joints – dovetail, finger d, nailed, hinges, etc.	•	×2) [4]	
(c)	rata if for Communication Simple technique Clear destanding High quannotate Suitabite Simplisting Rather	unication drawings displaying a low standard or limited ues rawings displaying a good standard and a range of teal/colour/annotation etc. uality drawings using a wide range of techniques ion and detail	range of (0- chniques – (3- with clear (5- (0- (3-	-2) -4) -6) -2) -4) -6) [12]	
(d)	each	ion of each of the ideas. At least 3 evaluations up to and justification (1 + 1)		-6)) [8]	
(e)	Poor lin Good lin High str all detai Dimens Constr A simplused Most co some a All cons	of drawing e quality, proportions, little detail ne work, use of colour, proportions, some detail andard throughout with a range of techniques that sh l sions 2 or 3 overall dimensions only – 1 Additional detail dimensions – 2 uction details listic approach showing little or no detail of constructional detail may be obvious from overall viewnotation structional detail will be clear with good annotation and rawings as necessary	(4) (2) ction to be (0- ws or with (3- I additional	-3)	
(f)		e specific materials stated reasons for choice	(2) (2)		
(g)		e method stated etailed description of method, including: ses	(1) (3) (2))	

Mark Scheme: Teachers' version

Syllabus

Paper

Page 2

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[Total: 50]

	ιας	ge o	ICCCE October/Newswher 2000	0445	-	<u> </u>
			IGCSE – October/November 2009	0445		01
2	(a)	to carry	any four suitable points – stable when opened, lightwood, attract attention, colourful, made from renewable meats of question)	aterial etc.	1 × 4)	[4]
	(b)		drawings of any two suitable joining methods ts, clips, elastic, hinges, etc.		2 × 2)	[4]
	(c)	rata if for Common Simple techniq Clear destruction shading High quannotate Suitabit Simplis Rather	unication drawings displaying a low standard or limited ues rawings displaying a good standard and a range of tech l/colour/annotation etc. uality drawings using a wide range of techniques ion and detail	range of (chniques – (with clear (0–2) 3–4) 5–6) 0–2) 3–4) 5–6)	[12]
	(d)	each	ion of each of the ideas. At least 3 evaluations up ton and justification (1 + 1)	(0–6) 2)	[8]
	(e)	Poor lin Good lin High st all deta Dimens Constr A simp used Most co some a All cons	e quality, proportions, little detail ne work, use of colour, proportions, some detail andard throughout with a range of techniques that sh il sions 2 or 3 overall dimensions only – 1 Additional detail dimensions – 2 uction details listic approach showing little or no detail of constructional detail may be obvious from overall view notation structional detail will be clear with good annotation and rawings as necessary	tion to be ws or with	1) 2–3) 4) 2) 0–2) 3–4) 5–6)	[12]
	(f)		e specific materials stated riate reasons for choice		2) 2)	[4]
	(g)		e method stated etailed description of method, including: ses	(1) 3) 2)	[6]

Mark Scheme: Teachers' version

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[Total: 50]

Syllabus

Paper

Page 4		Mark Scheme: Teachers' version	Syllabus		Paper	
		IGCSE – October/November 2009	0445	0	1	
(a)	empty,	any four suitable points – lightweight, easy to clear insects/animals cannot escape, cannot damage insect of question)	ts, etc. (no	× 4)	[4]	
(b)	•	any two remote control systems – radio, infra red, bows, string, etc.		× 2)	[4]	
(c)	rata if for Communication Simple technique Clear deshading High quannotate Suitabi Simplist Rather	unication drawings displaying a low standard or limited ues rawings displaying a good standard and a range of tec y/colour/annotation etc. uality drawings using a wide range of techniques ion and detail	range of (0 chniques – (3 with clear (5 (0 (3	-2) -4) -6) -2) -4) -6)	[12]	
(d)	each	ion of each of the ideas. At least 3 evaluations up to and justification (1 + 1)		-6))	[8]	
(e)	Poor lin Good lin High sta all detai Dimens Constru A simplused Most co some a All cons	e quality, proportions, little detail ne work, use of colour, proportions, some detail andard throughout with a range of techniques that sh il sions 2 or 3 overall dimensions only – 1 Additional detail dimensions – 2 uction details listic approach showing little or no detail of constructional detail may be obvious from overall view notation structional detail will be clear with good annotation and rawings as necessary	ction to be ws or with (3	_3))	[12]	
(f)	Suitable	e specific materials stated riate reasons for choice	(2)	[4]	
(g)		e method stated etailed description of method, including: ses	(1 (3 (2)	[6]	

3

[Total: 50]