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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

GCE Advanced Subsidiary Level and GCE Advanced Level

MARK SCHEME for the October/November 2011 question paper for the guidance of teachers

9705 DESIGN AND TECHNOLOGY

9705/11

Paper 1, maximum raw mark 120

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.

• Cambridge will not enter into discussions or correspondence in connection with these mark schemes.

Cambridge is publishing the mark schemes for the October/November 2011 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

[2] [6]	
[6]	
[6]	
[Total: 20]	
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Mark Scheme: Teachers' version

Syllabus

Paper

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	Page 3		3	Mark Scheme: Teachers' version	Syllabus	Paper	•
				GCE AS/A LEVEL – October/November 2011	9705	11	
3				howing two outer layers and corrugations plaining construction		(1) (1)	[2]
	(b)	(i)	Wind	rect shape (rectangle joined to triangle) dows os on edges		(1) (1) (1)	[3]
		(ii)	Circ	rect shape (rectangle joined to triangle) ular door and triangular window os on edges		(1) (1) (1)	[3]
	(c)	(i)		ing out process described ails of tools, equipment and safety precautions (if nece	ssary)	(0-3) (0-3)	[6]
		(ii)	Dou	s shown joined together ble thickness of tabs shown of elastic bands described		(1) (1) (0–4)	[6]
				[Total:	20]		
4	(a)			nt symbol cannot be copied without permission		(1) (1)	[2]
	(b)	Pro e.g	blem . Prol	1 described 2 described blems related to left hand pop-up creasing when paged pop-up sticking out of book when page is folded.	ge is folded and	(0-2) (0-2)	
	(c)	Exp e.g Re	olanat . Mak ducing	tion of how problem 1 could be overcome tion of how problem 2 could be overcome ting left hand pop-up parallel to surfaces of page. In g horizontal distance of right hand pop-up to 30mm o 00mm.	r increase page	(0-3) (0-3)	[6]
	(d)	Exp	olanat	has been analysed and relevant issues/points identification of why issues/points are considered relevant examples/evidence used to support conclusions	ed.	(0-3) (0-3) (0-2)	[8]
				[Total:	20]		

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			[Total:	20]
	(d)	Situation has been analysed and relevant issues/points identified. Explanation of why issues/points are considered relevant Specific examples/evidence used to support conclusions	(0-3) (0-3) (0-2)	[8]
	(c)	Explanation of how problem 1 could be overcome Explanation of how problem 2 could be overcome e.g. Method of folding added, additional rails added	(0-3) (0-3)	[6]
	(b)	Problem 1 described Problem 2 described e.g. Problems related to poor stability, lack of folding 'mechanism', chair will collapse	(0–2) (0–2)	[4]
6	(a)	Appropriate explanation e.g. Acts as hinge, stops chair collapsing when in use	(0–2)	[2]
	(d)	Situation has been analysed and relevant issues/points identified. Explanation of why issues/points are considered relevant Specific examples/evidence used to support conclusions	(0-3) (0-3) (0-2) [Total:	[8]
	(c)	Explanation of how problem 1 could be overcome Explanation of how problem 2 could be overcome e.g. Improving winding mechanism, adding carrying handle or strap	(0-3) (0-3)	[6]
	(b)	Problem 1 described Problem 2 described e.g. Problems related to it not being easy to wind up or carry the radio	(0–2) (0–2)	[4]
5	(a)	Appropriate explanation e.g. Wrist strap. Not so easy to drop torch, leaves hands free when carrying torch, easier to carry, easier to hang	(0–2)	[2]

Page 5		wark Scheme: Teachers Version	Syllabus	Pape	I
		GCE AS/A LEVEL – October/November 2011	9705	11	
(a)	One pre-	conceived idea presented		(0-3)	
	The development and selection of a range of ideas into a single design proposal which would appear to work but lacks some technical detail OR The development and selection of a range of ideas into a single design proposal that includes sufficient technical detail to show that the proposed solution would clearly work Clarity and quality of sketching and explanatory notes Evaluation (reasons for selection)			(4–7)	
				(8–10) (0–3) (0–3)	[16]
(b)	As for pa	rt (a)			[16]
(c)	As for pa	rt (a)			[16]
(d)	As for pa	rt (a)			[16]
(e)		ving will exhibit a reasonable standard of outcome and red design features	d show some of	(0-3)	
	The draw	ving will exhibit a good standard of outcome and sheatures required to make the product function as intendent		(4–7)	
	The drav	ving will be completed to a high standard of outcome in features required to make the product function as in	<u>-</u>	(8–10)	
	Some us drawing OR	se made of colour and tone to enhance the visua	I impact of the	(0–2)	
		e has been made of colour and tone to enhance the ing	visual impact of	(3–4)	
	Very goo	d use has been made of colour, tone and material rethe visual impact of the drawing	epresentation to	(5–6)	[16]
				[Total	l: 80]

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Syllabus

Paper

Questions 8 and 9 as for Question 7

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