

71
Candidate Num

General Certificate of Secondary Education 2012

Manufacturing

Paper 2
Assessment Unit 3

assessing

Manufacturing Technology

[GMA32]

FRIDAY 8 JUNE, MORNING



TIME

1 hour.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

Write your answers in the spaces provided in this question paper. Answer **all** parts of the **one** question in this paper.

The paper should be answered in relation to the Pre-Release Material. You will be provided with a new copy of the Pre-Release Material. You should **not** bring any of the material previously issued, or any notes made into this examination

INFORMATION FOR CANDIDATES

The total mark for this paper is 40.

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each part question.

Quality of written communication will be assessed in (h) and (i).

For Examiner's use only			
Question Number 1	Marks		
(a)			
(b)			
(c)			
(d)			
(e)			
(f)			
(g)			
(h)			
(i)			

Total Marks	



7429

BLANK PAGE

Answer	all	parts	of the	question.

Examiner Only

Marks Remark

(i)	Give one example of how CAD drawings have helped shorten "Lead Times" in the manufacture of built in wardrobes.	
		_ [2]
(i	i) How has CAD helped make built in wardrobes more appealing the customer?	g to
		[2]
pı	product specification is a document which is drawn up before a oduct is manufactured. It details areas such as materials, storag ze, function, colour, etc.	e,
	st two specification points which would have been drawn up before manufacture of a built in wardrobe.	ore
S	pecification point 1	
_		[1]
S	pecification point 2	
_		[1]
	utline the modern manufacturing process which is used to anufacture the wooden joints in built in wardrobe construction.	
_		[2]
•	utline an appropriate surface finish which could be applied to bui ardrobes.	It in
_		[1]
_		_ [']

1

(e)	(i)		Examiner Only larks Remark
		Outline two advantages of using such technology for the manufacturer.	
		Advantage 1	
		[2]	
		Advantage 2	
		[2]	
	(ii)	Outline one area in the manufacture of a built in wardrobe where robotics is used. (Your answer must be different from that mentioned in part (c) .)	
		[1]	
(f)		ilt in wardrobes have decorative profiles on various parts of the ardrobe. These add to the aesthetics of the product.	
		ame the machine used to create these decorative profiles and one ason why it is the most appropriate way to manufacture them.	
	Ма	achine	
	Rea	eason [1]	
		[1]	

Reason 1		
 Reason 2	[2]	
	[2]	

(n)	There are various wood jointing techniques used in the drawer construction for a built in wardrobe.	Examiner Only Marks Remark
	In the box below using annotated sketches and the correct terminology draw the typical way in which wooden jointing techniques for a drawer would be constructed for a built in wardrobe.	
	Marks will be awarded for Detail contained in sketches [4] Quality of sketches [3]	
	Detailed notes [3]	
	[10]	

(i)	In the box below using notes and sketches explain how a glass panel is held in place in a door frame construction for a built in wardrobe.	Examin Marks	er Only Remark
	Marks will be awarded for Suitability of chosen method [4] Quality of sketches [3] Detailed notes [3] 		

Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright holders may have been unsuccessful and CCEA will be happy to rectify any omissions of acknowledgement in future if notified.



General Certificate of Secondary Education 2012

Manufacturing

PRE-RELEASE MATERIAL

Paper 2
Assessment Unit 3

assessing

Manufacturing Technology

[GMA32]

FRIDAY 8 JUNE, MORNING



You must use **this** clean copy of the Pre-Release Material in the examination and **not** your own annotated copy.

Manufacturing Technology Pre-Release Material

The image below shows a built in wardrobe.



© Hayburn & Co

Description

Built in wardrobes complement your home to perfection. With a built in wardrobe you will get a design that is made to your specification. Built in wardrobes utilise and provide ample storage space and complement your own specific bedroom design and décor.

Features include:

- A range of designs and finishes available
- Made to your own specification
- A range of construction techniques used
- Can be made in whatever type of wood to complement your bedroom