

71
Candidate Num

General Certificate of Secondary Education January 2012

Manufacturing

Paper 2
Assessment Unit 3

assessing

Manufacturing Technology

[GMA32]

FRIDAY 27 JANUARY, AFTERNOON



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					
(a)					
(b)					
(c)					
(d)					
(e)					
(f)					
(g)					
(h)					
(i)					

Total	
Marks	



7428

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Answer	all	parts	of the	question.

Examiner Only				
Marks	Remark			

(i)	Outline one reason why Medium Density Fibreboard (MDF) is a suitable material to make the doors of a built in wardrobe.	
	[2]	
(ii)	Explain how MDF has helped to improve the characteristics of built in wardrobes.	
	[2]	
	dern technology is used extensively in the manufacture of built in rdrobes.	
	re one example of how modern technology has enhanced the nufacture of built in wardrobes.	
	[2]	
usi and	e built in wardrobe shown in the pre-release material is assembled ng a number of fittings. Give one example of a mechanical fitting doubtine where it has been utilised in the construction of a built in rdrobe.	
Fitt	ing	
Wh	ere it has been used	
	111	1

(d)		te two computerised production processes used in the nufacture of a built in wardrobe.	Examiner Only Marks Remar
	Pro	cess 1	
			[1]
	Pro	ocess 2	
			[1]
(e)	(i)	Give two examples of how CAM has helped control the manufacturing costs of a built in wardrobe.	
		Example 1	
			[2]
		Example 2	
			[2]
	(ii)	How has CAM made built in wardrobes more reliable for the customer?	
			[2]
(f)		e one advantage to the manufacturer when using CAD at the sign stage of a built in wardrobe.	
			[2]

manufacture of buil	t in wardrobes.			Marks	R
Describe giving one production stage.	e example how computer	control is used du	ring the		
			[2]		

In the box below using annotated sketches and the correct terminology describe two typical wood working joints that are used in the construction of built in wardrobes. Marks will be awarded for Detail contained in sketches [4] Quality of sketches [3] Detailed notes [3]	(n)	built in wardrobes.	Marks	Remark
Detailed notes [3] Detailed notes [3] Detailed notes [3]		terminology describe two typical wood working joints that are used in		
		Detail contained in sketches [4]Quality of sketches [3]		

(i)	Knock down fittings are used to assemble built in wardrobes.	Examin Marks	er Only Remark
	In the box below using annotated sketches and correct terminology describe two examples of knock down fittings used in the construction of built in wardrobes.		
	Marks will be awarded for • Suitability of chosen method [4] • Quality of sketches [3]		
	Detailed notes [3]		
	[10]		

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Manufacturing

PRE-RELEASE MATERIAL

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[GMA32]

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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