



General Certificate of Secondary Education  
January 2012

Centre Number

71

Candidate Number

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

**Total  
Marks**

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Answer **all** parts of the question.

- 1 (a) (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]  
\_\_\_\_\_

- (b) Modern technology is used extensively in the manufacture of built in wardrobes.

Give **one** example of how modern technology has enhanced the manufacture of built in wardrobes.

\_\_\_\_\_ [2]  
\_\_\_\_\_  
\_\_\_\_\_

- (c) The built in wardrobe shown in the pre-release material is assembled using a number of fittings. Give **one** example of a mechanical fitting and outline where it has been utilised in the construction of a built in wardrobe.

Fitting

\_\_\_\_\_ [1]

Where it has been used

\_\_\_\_\_ [1]  
\_\_\_\_\_

Examiner Only	
Marks	Remark



(g) Systems and control technology is used extensively throughout the manufacture of built in wardrobes.

Describe giving **one** example how computer control is used during the production stage.

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[2]

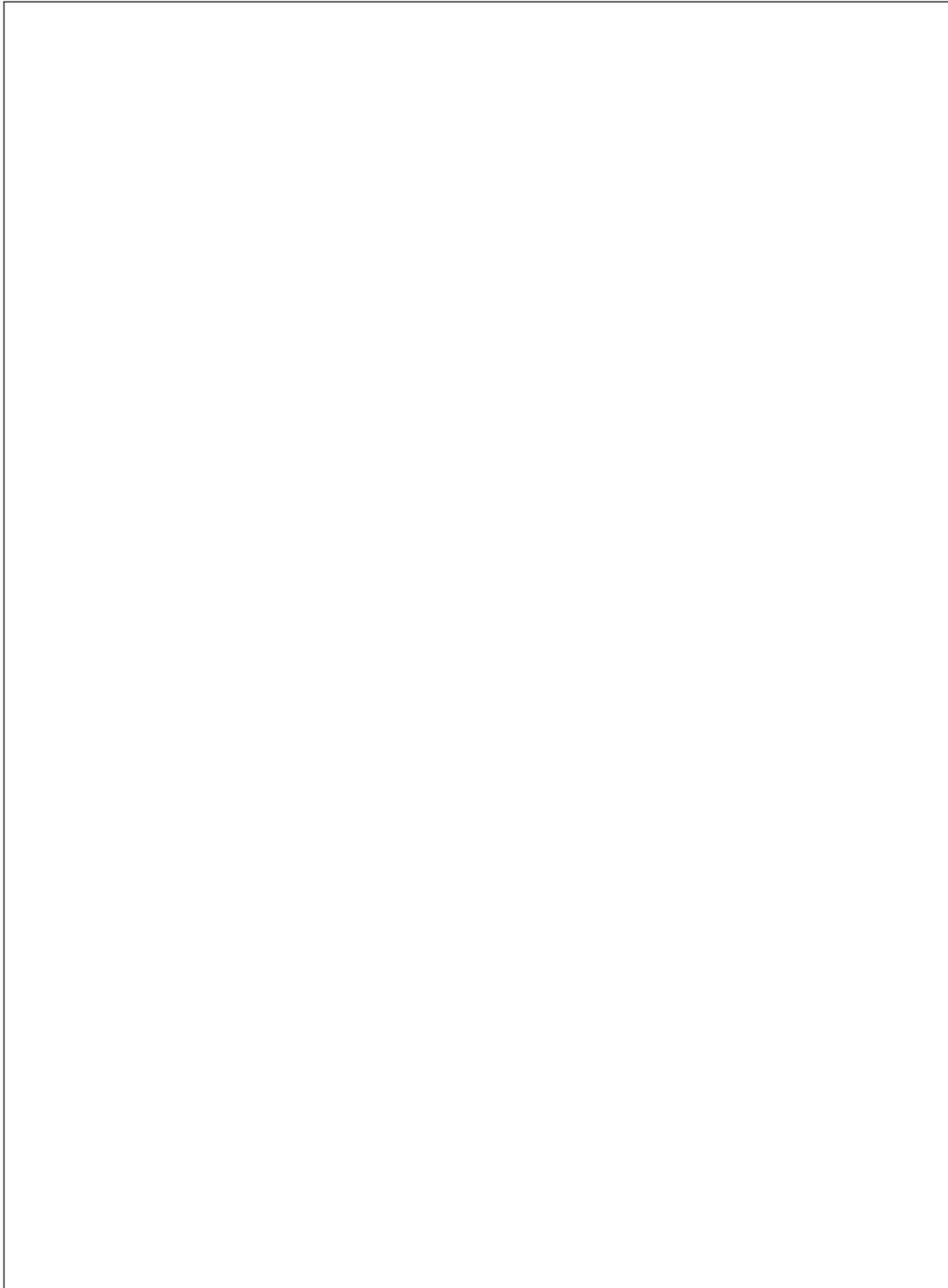
Examiner Only	
Marks	Remark

- (h) There are various wood jointing techniques used in the manufacture of built in wardrobes.

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]



[10]

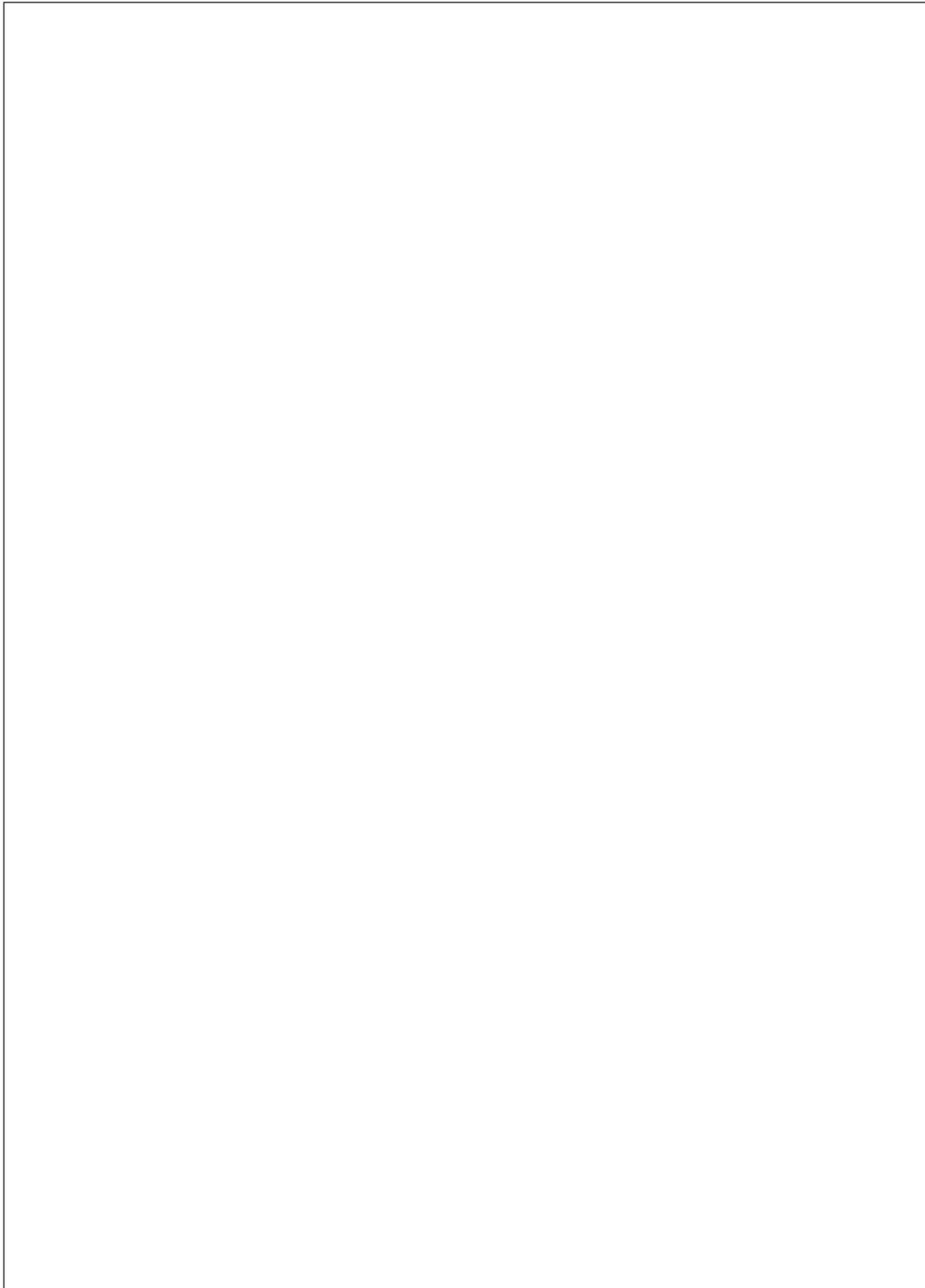
Examiner Only	
Marks	Remark

(i) Knock down fittings are used to assemble built in wardrobes.

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]

Examiner Only	
Marks	Remark

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*Rewarding Learning*

General Certificate of Secondary Education  
January 2012

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**Manufacturing**

PRE-RELEASE MATERIAL

Paper 2

Assessment Unit 3

*assessing*

Manufacturing Technology

**[GMA32]**

**FRIDAY 27 JANUARY, AFTERNOON**

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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