



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.

[2]

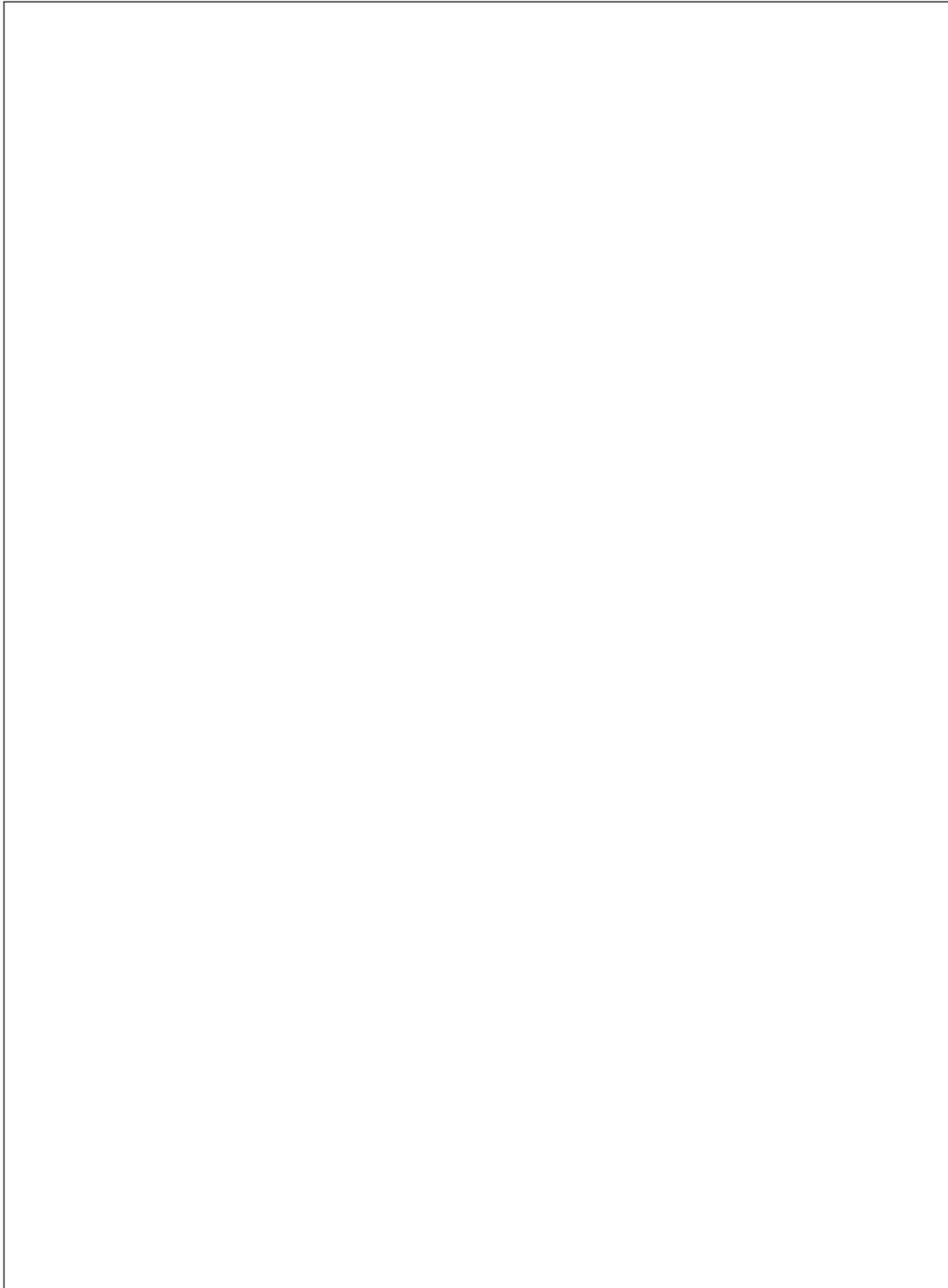
Examiner Only	
Marks	Remark

- (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]

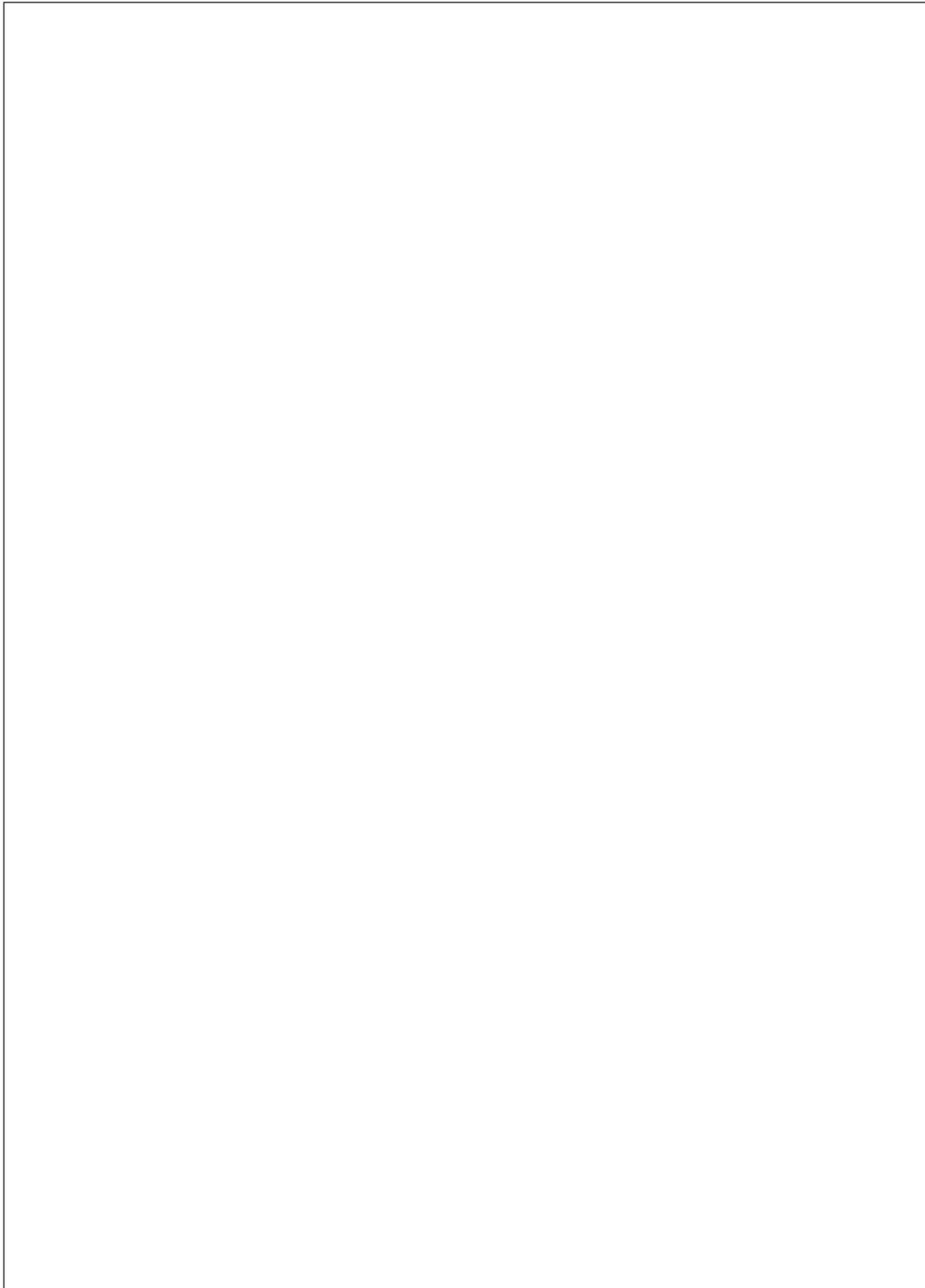
Examiner Only	
Marks	Remark

(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

Manufacturing

PRE-RELEASE MATERIAL

Paper 2

Assessment Unit 3

assessing

Manufacturing Technology

[GMA32]

FRIDAY 27 JANUARY, AFTERNOON



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