



General Certificate of Secondary Education
2012

Centre Number

71

Candidate Number

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

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Answer **all** parts of the question.

- 1 (a) (i) Give **one** example of how CAD drawings have helped shorten “Lead Times” in the manufacture of built in wardrobes.

 _____ [2]

- (ii) How has CAD helped make built in wardrobes more appealing to the customer?

 _____ [2]

- (b) A product specification is a document which is drawn up before a product is manufactured. It details areas such as materials, storage, size, function, colour, etc.

List **two** specification points which would have been drawn up before the manufacture of a built in wardrobe.

Specification point 1

 _____ [1]

Specification point 2

 _____ [1]

- (c) Outline the modern manufacturing process which is used to manufacture the wooden joints in built in wardrobe construction.

 _____ [2]

- (d) Outline an appropriate surface finish which could be applied to built in wardrobes.

 _____ [1]

Examiner Only	
Marks	Remark

- (e) (i) Modern technology is used throughout the manufacture of built in wardrobes.

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) Built in wardrobes have decorative profiles on various parts of the wardrobe. These add to the aesthetics of the product.

Name the machine used to create these decorative profiles and **one** reason why it is the most appropriate way to manufacture them.

Machine

_____ [1]

Reason

_____ [1]

Examiner Only	
Marks	Remark

(g) Give **two** reasons why it is important to carry out quality control checks when manufacturing built in wardrobes.

Reason 1

_____ [2]

Reason 2

_____ [2]

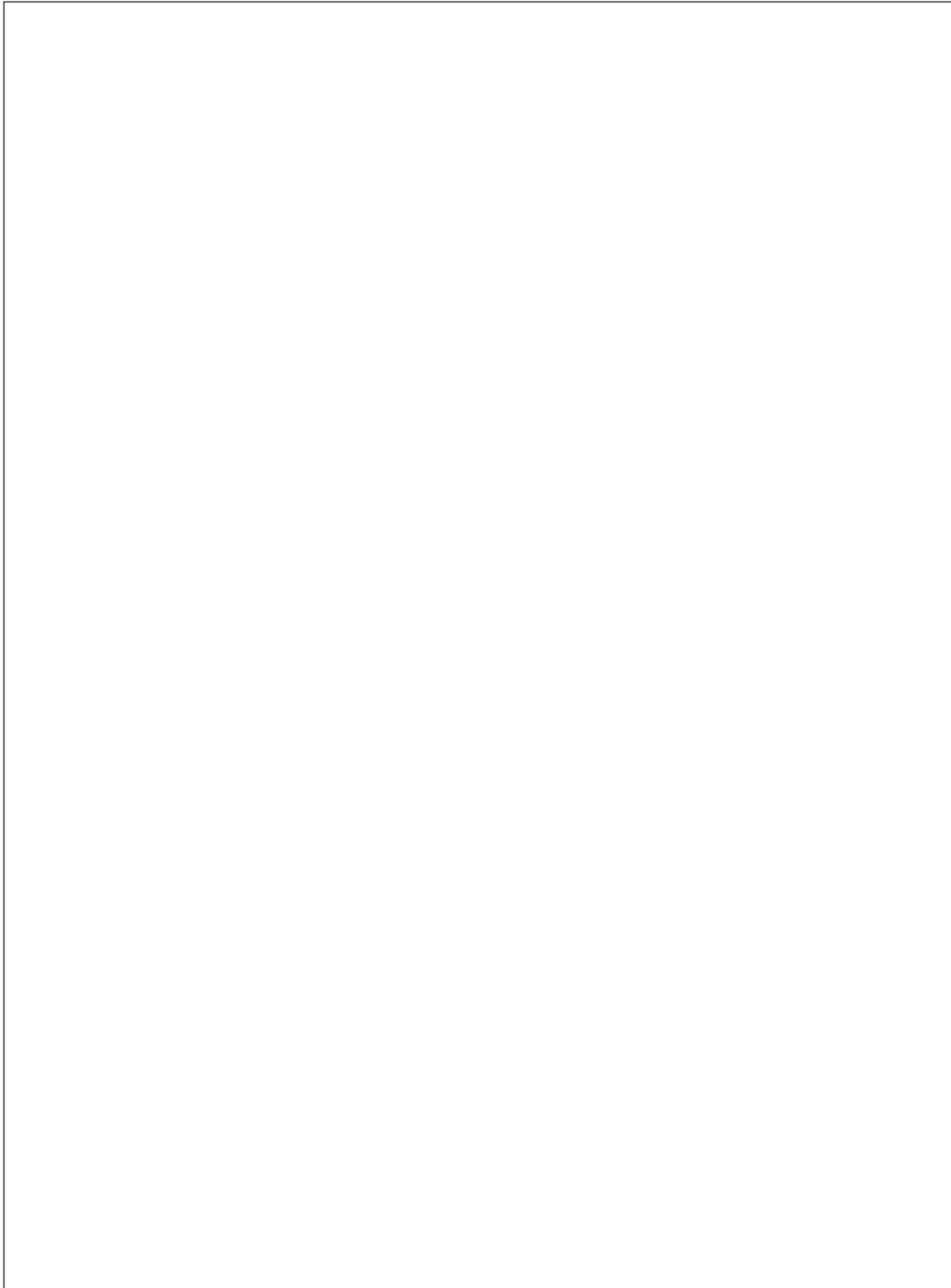
Examiner Only	
Marks	Remark

- (h) There are various wood jointing techniques used in the drawer construction for a built in wardrobe.

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]



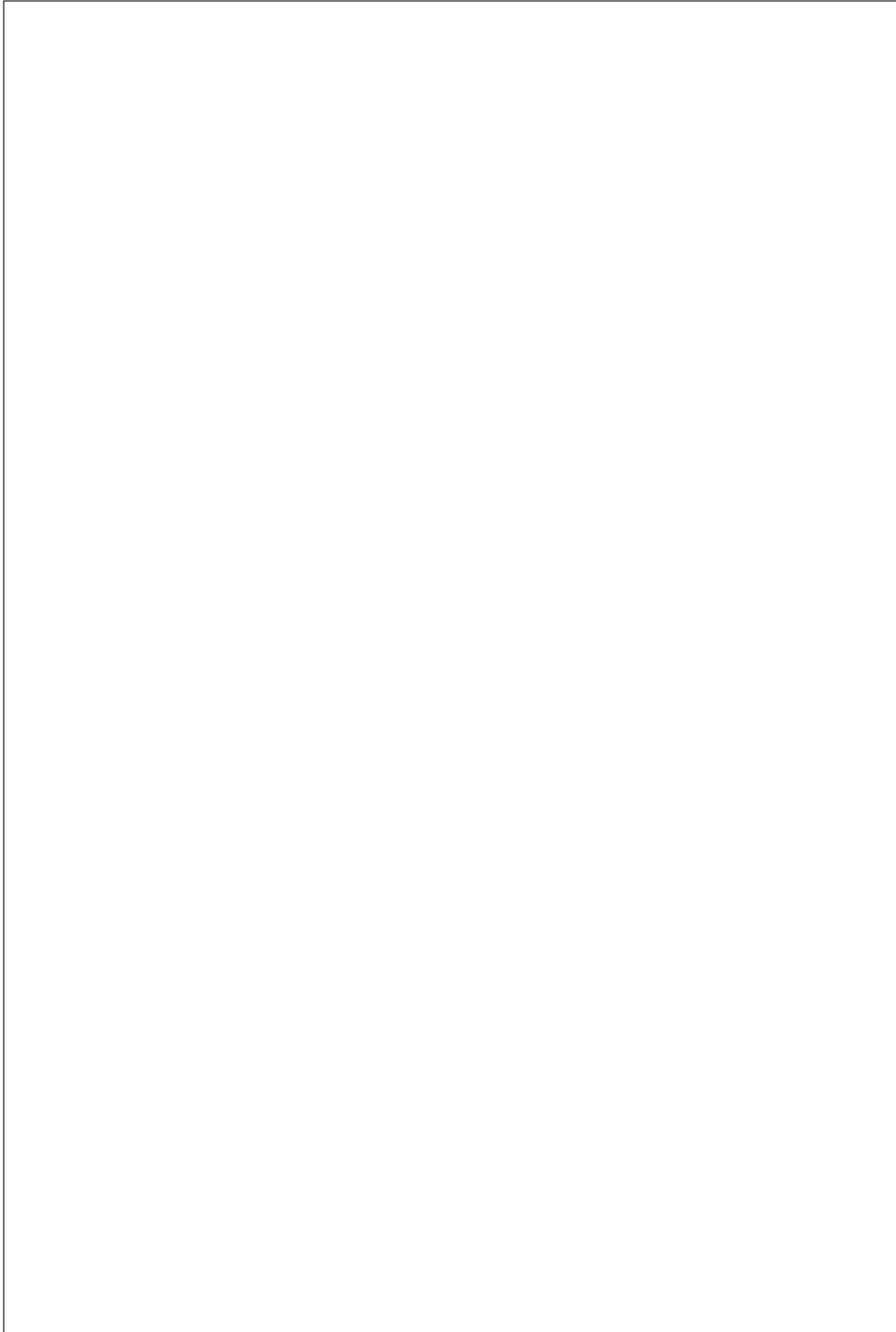
[10]

Examiner Only	
Marks	Remark

- (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.

Marks will be awarded for

- Suitability of chosen method [4]
- Quality of sketches [3]
- Detailed notes [3]



Examiner Only	
Marks	Remark

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Rewarding Learning

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

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