



7906-503 MARCH 2022

Level 3 Advanced Technical Diploma in Architectural Joinery (450)

Level 3 Architectural Joinery – Theory exam (1)

If provided, stick your candidate barcode label here.

Monday 21 March 2022
13:30 – 16:00

Candidate name (first, last)

First

Last

Candidate enrolment number


Date of birth (DDMMYYYY)

Gender (M/F)

Assessment date (DDMMYYYY)

Centre number

Candidate signature and declaration*

- If additional answer sheets are used, enter the additional number of pages in this box. 
- Before taking the examination, **all candidates** must check that their barcode label is in the appropriate box. Incorrectly placed barcodes may cause delays in the marking process.
- Please ensure that you staple additional answer sheets to the **back** of this answer booklet, clearly labelling these with your full name, enrolment number, centre number and qualification number in BLOCK CAPITALS.
- All candidates need to use a **black/blue** pen. **Do not** use a pencil or gel pen, unless otherwise instructed.
- If provided with source documents, these documents **will not** be returned to City & Guilds, and will be shredded. Do not write on the source documents.

***I declare that I had no prior knowledge of the questions in this examination and that I will not divulge to any person any information about the questions.**

You should have the following for this examination

- a pen with blue or black ink
- a non-programmable calculator

General instructions

- This examination contains **25** questions. Answer **all** questions.
- **Section A** – consists of **10** multiple-choice questions, each carrying 1 mark.
 - Indicate your response (a, b, c and d) in the space provided.
- **Section B** – consists of **15** structured/short answer questions.
 - Answer the questions in the space provided.
 - The maximum marks for **each** question are shown in brackets.
- Cross through any work you do not want to be marked.



Section A

1 Which document provides details about the measured rates of building materials required for a construction project?

- a) Specification.
- b) Bill of quantities.
- c) Programme chart.
- d) Critical path analysis.

Response: _____

2 Calculate the **quantity** of bricks required to construct a **one** brick thick wall in English bond when the wall is 3.9 m long and 0.9 m high. Assume 120 bricks per m².

- a) 210
- b) 211
- c) 421
- d) 422

Response: _____

3 Which item of information is required in addition to labour, materials and overheads, when preparing a quote for building work?

- a) Profit.
- b) Land cost.
- c) Travelling time.
- d) Capital gains tax.

Response: _____

4 When is a permit to work required?

- a) When using wood machinery.
- b) When working with hired plant.
- c) When working in confined spaces.
- d) When using cartridge operated fixings.

Response: _____

5 Which document contains a trouble shooting page that can be consulted should a breakdown occur with a portable power tool?

- a) Manufacturers' catalogue.
- b) Assembly instructions.
- c) Maintenance record.
- d) User's manual.

Response: _____

- 6 In a 123-matrix type risk assessment, which score indicates that a major injury is very likely?
- a) 0
 - b) 3
 - c) 6
 - d) 9

Response: _____

- 7 What is used to sharpen a morticer chisel auger bit?
- a) Triangular file.
 - b) Conical stone.
 - c) Round file.
 - d) Slip stone.

Response: _____

- 8 What is used to facilitate multiple lengths of timber being cut at the same length, when using a cross-cut saw?
- a) Hinged stop.
 - b) Depth stop.
 - c) Pinch stick.
 - d) Push stick.

Response: _____

- 9 Which machine has a split infeed roller?
- a) Fixed bed rip saw.
 - b) Spindle moulder.
 - c) Thicknesser.
 - d) Morticer.

Response: _____

- 10 What is the name given to the cutting edge on the wings of a mortice chisel auger?
- a) Tip.
 - b) Spur.
 - c) Tooth.
 - d) Lance.

Response: _____

Section B

11 State what is meant by the term 'Permitted Development'. (3 marks)

12 State the **two** main types of tender. (2 marks)

13 List **four** documents used to communicate information in the process of manufacturing joinery. (4 marks)

19 Identify the **two** operations that can be carried out on a thickening machine using a jig. (2 marks)

20 When morticing long lengths of timber, state **two** design features required for a roller support stand used to hold up the end of the component. (2 marks)

21 Describe the purpose of the Approved Code of Practice (ACOP) for the safe use of woodworking machinery. (2 marks)

22 Summarise **three** actions that need to be taken when a fault on a machine has been identified. (3 marks)
