



**7906-501 JUNE 2018**

**Level 3 Advanced Technical Diploma in Site Carpentry (450)**

Level 3 Site Carpentry – Theory exam

If provided, stick your candidate barcode label here.

**Thursday 21 June 2018**  
**09:30 – 12:00**

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 any additional answer sheets are used, enter the additional number of pages in this box.

• Please ensure that you **staple** additional answer sheets to the **back** of this answer booklet, clearly labelling them 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.

• 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 assessment and that I will not divulge to any person any information about the questions.**

**You should have the following for this examination**

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

**General instructions**

**This question paper is the property of City and Guilds Limited and should be returned after the examination.**

- This examination contains **21** questions. Answer **all** questions.
- **Section A** – consists of **10** multiple choice questions, each carrying 1 mark.
  - Indicate your response (a, b, c or d) in the space provided.
- **Section B** – consists of **11** structured/short answer questions.
  - Answer the questions in the space provided.
  - The marks for each question are shown in brackets.



**Section A**

1 Which **best** describes ‘permitted development’?

- a) Construction work that does not require building regulations approval.
- b) Certain types of building work that do not require planning permission.
- c) Construction work that can be completed with the owner’s permission.
- d) Certain types of building work that requires outline planning approval.

Response: \_\_\_\_\_

2 What is the purpose of sustainable development?

- a) To provide high quality developments.
- b) To provide low building cost developments.
- c) To provide developments constructed using only man made materials.
- d) To provide developments constructed without depleting natural resources.

Response: \_\_\_\_\_

3 Where is multi-foil insulation **most** commonly used?

- a) In solid floors.
- b) In cavity walls.
- c) In pitched roofs.
- d) In partition walls.

Response: \_\_\_\_\_

4 Rain water can be harvested for flushing toilets. What is this water commonly known as?

- a) Green water.
- b) Blue water.
- c) White water.
- d) Grey water.

Response: \_\_\_\_\_

5 What is the purpose of a documented risk assessments and method statements?

- a) To complete a task quickly and economically.
- b) To identify materials to be used and state how to eliminate risks.
- c) To identify potential harm and give a safe sequence of operations.
- d) To complete a task to a high quality and meets the customer needs.

Response: \_\_\_\_\_

- 6 Which **best** describes BIM?
- a) An integrated approach to building design.
  - b) The process of regulating standards of building.
  - c) The process of applying for planning permission.
  - d) A scaled model of the finished construction project.

Response: \_\_\_\_\_

- 7 What is the **minimum** moisture content that will cause wet rot to start?
- a) 10%
  - b) 15%
  - c) 20%
  - d) 25%

Response: \_\_\_\_\_

- 8 What joint would be used when replacing the foot of a rafter that is showing signs of decay?
- a) Butt.
  - b) Scarf.
  - c) Header.
  - d) Housing.

Response: \_\_\_\_\_

- 9 What will be effected by fitting a blade less than the recommended diameter to a table saw?
- a) The peripheral speed will increase.
  - b) The peripheral speed will reduce.
  - c) The RPM will increase.
  - d) The RPM will reduce.

Response: \_\_\_\_\_

- 10 What should be used, when cutting glue blocks on a table saw?
- a) Saddle.
  - b) Template.
  - c) False fence.
  - d) Wedge jig.

Response: \_\_\_\_\_

**Section B**

11 a) List **three** types of planning permission. (3 marks)

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b) Summarise **two** of the planning permission listed in 11 a). (4 marks)

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12 Describe the information sources that would be consulted to accurately submit a tender. (5 marks)

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15 a) State **two** signs of dry rot attack. (2 marks)

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b) Explain how to eradicate dry rot attack to prevent it from reoccurring. (4 marks)

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16 a) State the name of the legislation that covers woodworking machinery. (1 mark)

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b) State the name of the guidance document that is specific to woodworking machinery. (1 mark)

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c) Identify **two** areas found in the guidance document identified in 16 b). (2 marks)

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17 A new employee has started work and is required to operate the woodworking machine and complete a risk assessment.  
Explain **four** safety considerations to be documented in the risk assessment, when working on this machine.

(4 marks)

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18 While working on site, a carpenter is required to rip timber to width.  
During the sawing operation the timber binds on the saw blade.

a) State **two** possible causes of this problem.

(2 marks)

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b) Describe how the causes stated in 18 a) can be rectified.

(4 marks)

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19 State where the information can be found on the safe use of the narrow bandsaw. (4 marks)

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20 Contact with the blade is a known risk when using circular saws. Describe **three** control measures that will minimise this risk. (3 marks)

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