



**0174-514 JUNE 2018**

**Level 3 Advanced Technical Extended Diploma in Forestry and Arboriculture (1080)**

Level 3 Forestry and Arboriculture – Theory Exam (2)

If provided, stick your candidate barcode label here.

**Monday 18 June 2018**  
**13:30 – 15:30**

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**

- a pen with blue or black ink

**General instructions**

- The marks for questions are shown in brackets.
- Answer all questions.
- Answer the questions in the spaces provided. Answers written in margins or on blank pages will not be marked.
- Cross through any work you do not want to be marked.
- Write all your working out and answers in this booklet.



1 Give **two** conditioners or ameliorants which can be used to aid tree establishment. (2 marks)

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2 Name **two** types of fungal rot. (2 marks)

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3 a) Name **two** archaeological or historic features of a woodland. (2 marks)

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b) Describe **one** of the features identified in 3 a). (2 marks)

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4 Give **two** techniques for supporting trees. (2 marks)

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5 a) Give **two** of the 'walls' involved in the process of the Compartmentalisation of Decay in Trees (CODIT). (2 marks)

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b) For **each**, briefly explain their purpose. (2 marks)

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6 Name one native British coniferous tree by its scientific name. (2 marks)

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7 Name **four** ancient woodland indicator species. (4 marks)

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8 Explain any **two** of the following terms.

- Thinning.
- Clearance.
- Coppice.
- Glade creation.

(4 marks)

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9 a) Name **one** suitable tool used for formative pruning.

(1 mark)

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b) Give **two** benefits and **two** limitations of using this piece of equipment.

(4 marks)

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10 Name **two** environmental conditions and explain how they influence tree growth. (4 marks)

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11 Give **three** benefits and **three** limitations of using tree stock supplied as bare root whips. (6 marks)

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12 Explain **two** reasons why the *Platanus x hispanica* is suitable for planting as a highway tree in an urban environment.

(4 marks)

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13 List **five** causes of cracks in a tree stem, branch or union.

(5 marks)

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