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0174-514 MARCH 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.

Wednesday 14 March 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

- Use black or blue ball-point pen.
- The marks for questions are shown in brackets.
- This examination contains 13 questions. 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.



1 Identify the leaf shown in Figure 1 by its correct common and botanical name. (2 marks)



Figure 1

Credit: Image Richard Hughes

2 Describe **two main** features that aid the identification of *Fraxinus excelsior*. (2 marks)

3 You have been asked by a Local Authority to plant a street tree that will create instant impact. Name **two** types of appropriately sized nursery stock that would be suitable for this situation. (2 marks)

Please note that this theory test has been amended to ensure it is fit for purpose for use as a sample assessment.



4 Explain **two** advantages and **two** disadvantages of planting bare rooted tree stock in a new plantation area.

(4 marks)

5 You have been asked to provide information that will be used to plant an urban tree in a built-up inner city area.

a) Summarise **two** pre-planting considerations that would need to be taken in this situation.

(2 marks)

b) Explain **two** planting and two support after care requirements for a tree in the urban environment.

(4 marks)

Please note that this theory test has been amended to ensure it is fit for purpose for use as a sample assessment.



6 Explain **four** different management techniques required for an ancient woodland habitat. (4 marks)

7 a) Name **two** plant species that are indicators of historic features within woodlands. (2 marks)

b) Identify the type of woodland associated with **each** of the plant species named in 7a). (2 marks)

8 Explain **two** benefits and **two** limitations of using natural regeneration as a woodland management technique. (4 marks)

Please note that this theory test has been amended to ensure it is fit for purpose for use as a sample assessment.



9 Explain how **four** poor environmental conditions can lead to increased susceptibility to decay in trees. (4 marks)

10 Identify the type of rot on trees caused by the following:
• Honey fungus (*Armillaria mellea*).
• Beefstake fungus (*Fistulina hepatica*). (2 marks)

11 a) List **one** invasive and **one** non-invasive tree assessment method. (2 marks)

b) For **each** of the tree assessment methods named in 11 a), explain **one** advantage and **one** disadvantage. (4 marks)

Please note that this theory test has been amended to ensure it is fit for purpose for use as a sample assessment.



