



0174-506 JUNE 2019
Level 3 Advanced Technical Extended Diploma
in Horticulture (720)

Level 3 Horticulture – Theory exam (2)

If provided, stick your candidate
barcode label here.

Friday 14 June 2019
09:30 – 11:30

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 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

General instructions

- Use black or blue ball-point pen.
- The marks for questions are shown in brackets.
- This examination contains 11 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 Explain **three** benefits of applying a bulky topdressing to a lawn. (3 marks)

2 a) Name **two** species of wild flowers that are found in spring meadows. (2 marks)

b) State the **two** times of year when a spring flowering meadow is cut. (1 mark)

3 Explain **two** advantages and **two** disadvantages of creating wild flower meadows in a public park. (4 marks)

4 a) Name **four** flower structures. (4 marks)

b) Compare the structures of insect pollinated flowers to wind pollinated flowers. (4 marks)

5 a) State **two** factors influencing the rate of respiration. (2 marks)

b) Explain **two** advantages and **two** disadvantages of vegetative propagation. (4 marks)

6 State **two** methods of identifying soil texture.

(2 marks)

7 Summarise **four** benefits of organic matter in soil.

(4 marks)

8 a) State **three** substances that can be used to ameliorate the structure of acid clay soil.

(3 marks)

b) Summarise **three** benefits of double digging.

(3 marks)

9 State **four** common reasons for formative pruning of newly planted standard trees. (4 marks)

10 Peter runs a tree services company. It is early spring and a client has contacted him about a large old tree in their garden. The client does not know what species of tree it is. They are concerned about the tree toppling during stormy weather and have asked him to reduce the size of the tree by half. They would like him to apply a wound paint to any resulting wounds.

a) Explain **four** reasons why the client's requests will need to be amended in the interest of the tree's health.

(4 marks)

b) Summarise an alternative pruning programme for the lime tree.

(4 marks)
