



**0174-510 MARCH 2022**

**Level 3 Advanced Technical Extended Diploma in Horticulture (1080)**

Level 3 Horticulture – Theory Exam (2)

If provided, stick your candidate barcode label here.

**Thursday 3 March 2022  
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 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 14 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 State the **full name** of **two** professional bodies that represent sports turf professionals. (2 marks)

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2 Summarise **three** social benefits of the sports turf industry. (3 marks)

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3 Explain **three** reasons why a sports turf business needs to keep physical resource records. (6 marks)

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4 Summarise **five** reasons why quality management systems are important to a sports turf business. (5 marks)

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5 a) Name **four** financial records that are used in a typical sports turf business. (4 marks)

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b) Give **one** different reason for keeping **each** type of record named in 5a). (4 marks)

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6 Describe the concept of 'carrying capacity' on a sports turf surface. (2 marks)

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7 a) State **three** examples of cost savings when adopting a more sustainable management programme. (3 marks)

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b) For the examples listed in 7a), give **one** different reason why **each** approach would save costs. (3 marks)

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8 a) List **two** suitable grasses to establish a bowling green. (2 marks)

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b) List **one** suitable grass type to establish a rugby pitch. (1 mark)

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c) Explain **two** appropriate aftercare techniques needed to aid the establishment of a recently turfed sports area. (4 marks)

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9 a) List **three** types of drainage system that can be installed to a sports turf surface. (3 marks)

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b) For the drainage systems listed in 9a), give **one** different reason why each would be used. (3 marks)

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10 Compare and contrast **four** key differences of the soil composition between cricket pitches and USGA specification golf greens.

(4 marks)

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11 Describe **two** weather-related factors that influence the timing of turf renovation activities.

(4 marks)

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12 Explain **three** benefits of using seed to establish and renovate sports turf areas. (6 marks)

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13 Name **six** aftercare requirements to help newly installed or renovated areas during the first three to six months after establishment. (6 marks)

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