



0170-505 JUNE 2024

Level 2 Technical Award in Land Based Studies

Level 2 Land Based Studies – Theory Exam (1)

If provided, stick your candidate barcode label here.

Wednesday 12 June 2024
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 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 **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 Name **four** different common pests that cause damage to plants. (4 marks)

2 Describe how wearing **two** named items of Personal Protective Equipment (PPE) can help the operator to handle animals safely. (4 marks)

3 Describe **two** methods of energy production used in the United Kingdom (UK). (4 marks)

4 State **two** ways that the countryside landscape has developed since the enclosure of land. (2 marks)

5 Describe **two** responsibilities of the Royal Society for the Prevention of Cruelty to Animals (RSPCA) regarding animals grazing on the land. (4 marks)

6 Explain **two** ways that temperature ranges can affect crop production. (4 marks)

7 Describe **two** ways of preventing ringworm.

(4 marks)

8 Name **four** structures in a plant cell.

(4 marks)

9 a) Describe **one** way nitrogen is used by plants.

(2 marks)

b) Describe **one** way potassium is used by plants.

(2 marks)

10 Describe **one** function of **each** of the following in animals.

a) The mouth.

(2 marks)

b) The oesophagus.

(2 marks)

11 List **four** types of technology that can be used to assess animal health and welfare.

(4 marks)

12 Describe **three** named types of technology that can help monitor remote areas of land. (6 marks)
