



**0171-512 MARCH 2022**

**Level 3 Advanced Technical Extended Diploma in Agriculture  
(Arable)**

Level 3 Agriculture – Theory exam (2)

If provided, stick your candidate  
barcode label here.

**Tuesday 1 March 2022  
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 12 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 List **four** ways to safely dispose of organic farm waste.

(4 marks)

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2 Summarise **four** ways a farmer must comply with current regulations on waste management.

(4 marks)

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3 Summarise **four** ways to minimise the impact on the environment when spreading farmyard manure (FYM).

(4 marks)

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4 Explain **two** roles of the Department for Environment Food & Rural Affairs (DEFRA) on the development of the agricultural landscape.

Instead of DEFRA, you may refer to the role of the **Welsh Assembly Government** in Wales, or the **Department of Agriculture, Environment and Rural Affairs (DAERA)** in Northern Ireland in your answer.

(4 marks)

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5 List **four** ecological surveys carried out on farm habitats.

(4 marks)

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6 Describe **two** impacts that the Industrial Revolution (from 1760 to 1840) had on the agricultural landscape.

(4 marks)

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7 State **four** ways that spray drift can be reduced.

(4 marks)

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8 Describe one effect on the accuracy of spread from a fertiliser spreader under **each** of the following:

a) Varying bout width. (2 marks)

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b) Inaccurate height of spreader. (2 marks)

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c) Varying forward speed. (2 marks)

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d) Too low PTO speed. (2 marks)

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9 State **four** ways that dirty fuel can reach the fuel filter of an all-terrain vehicle (ATV). (4 marks)

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10 Summarise **four** safety precautions that should be observed when operating a rough terrain telescopic forklift (RTFL) on sloping ground. (4 marks)

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11 State **four** methods of improving traction when operating a RTFL in the field. (4 marks)

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