



**0171-506 MARCH 2019**

**Level 3 Advanced Technical Extended Diploma in Agriculture  
(Mixed farming)**

Level 3 Agriculture – Theory exam (2)

If provided, stick your candidate  
barcode label here.

**Friday 15 March 2019  
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 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 a) List **two** pieces of equipment that could be used to make a crop of silage. (2 marks)

---

---

- b) State **one** function of **each** piece of equipment listed in 1a). (2 marks)

---

---

- 2 Explain **three** advantages of including clover in a seeds mixture for grazing. (6 marks)

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

3 State **four** factors to be considered when deciding to cut grass for first cut silage. (4 marks)

---

---

---

---

4 State **two** qualities of chicory that would encourage its use in a grassland sward. (2 marks)

---

---

5 Explain **four** factors that will affect the growth pattern of grass throughout the year. (8 marks)

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

6 List **six** points to consider when preparing a risk assessment for operating an all-terrain vehicle (ATV).

(6 marks)

---

---

---

---

---

---

---

7 Explain **three** advantages of using a rough terrain telescopic forklift (RTFL) to move heavy loads.

(6 marks)

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

8 State **four** types of transmission found on an ATV or RTFL. (4 marks)

---

---

---

---

9 State **four** areas where the Health and Safety at Work Act affects the operation of an ATV or RTFL. (4 marks)

---

---

---

---

10 Explain **two** differences between a diesel-powered ATV compared to a petrol one. (4 marks)

---

---

---

---

---

---

---

---

11 A farmer has noticed some bare patches in a grass field.

Discuss the methods and plant species that the farmer might use to re-establish the sward, and how an ATV can be used to assist.

(12 marks)

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

