



0171-510 MARCH 2022

Level 3 Advanced Technical Extended Diploma in Agriculture (Livestock)

Level 3 Agriculture – Theory exam (2)

If provided, stick your candidate barcode label here.

**Wednesday 2 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 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 **two main** parts of the central nervous system in livestock. (2 marks)

2 State **one** function of **each** of the following parts of the reproductive systems. (1 mark)

a) Testicles.

b) Epididymis.

c) Vas Deferens.

d) Oviduct.

e) Ovaries.

f) Uterus.

3 List **four** hormones involved in the oestrus cycle. (4 marks)

4 Explain how sexed semen may improve a dairy farmer’s income. (4 marks)

5 List **four** potential home-grown plant-based sources of protein in a ruminant’s diet. (4 marks)

6 Explain **two** reasons why it is important to follow the recommended dose rate accurately when administering antibiotics and anthelmintics. (4 marks)

7 List **four** signs of Hypocalcaemia in a dairy cow. (4 marks)

8 List the **four** strokes of the diesel four stroke cycle. (4 marks)

9 Define the term 'Load Centre' in relation to rough terrain telescopic forklifts (RTFL). (2 marks)

10 Describe **two** ways in which an all-terrain vehicle (ATV) should be manoeuvred on sloping land. (4 marks)

11 State **two** legal methods of disposing of farm animal carcasses. (2 marks)

12 Explain what is meant by 'farm organic waste'. (2 marks)

13 For **each** of the following, describe the correct storage and disposal, in accordance with relevant legislation. (2 marks)

a) Needles.

b) Medicine bottles. (2 marks)

c) Pesticide containers. (2 marks)
