

T Level Technical Qualification in Agriculture, Land Management and Production (Level 3)

Paper 2 – Livestock Core Pathway (8717-033)

If provided, stick your candidate barcode label here.

Date of exam: TBC
Duration: 2 hours

Candidate name (first, last)

First

Last

Candidate enrolment number

Date of birth (DDMMYYYY)

Gender (M/F)

Assessment date (DDMMYYYY)

Centre number

Candidate signature/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

- The marks for questions are shown in brackets.
- This examination contains **15** 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.

This exam has been split into **two** sections. Below details the types of questions and marks available for each section. Please allow time for each section accordingly.

Section A is made up of **44** marks and includes **12** short answer and medium answer questions.

Section B is made up of **36** marks and includes **3** extended response questions.

Section A

- 1 State **two** ways that the associated hazards of lone working can be controlled when working in the livestock industry.

(2 marks)

- 2 Identify **one** feed ingredient which is high in protein and **one** feed ingredient which is high in energy.

(2 marks)

- 3 a) State **two** notifiable diseases of livestock.

(2 marks)

- b) In addition to notifying the relevant authorities, identify **two** other actions to take on discovery of any notifiable disease.

(2 marks)

- 4 Explain **one** benefit of applying farmyard manure onto grassland.

(2 marks)

5 Explain **one** benefit of colostrum for a new-born animal.

(2 marks)

6 Explain **two** reasons why it is important to prevent the spread of zoonotic diseases in livestock production environments.

(4 marks)

7 Explain **two** ways the condition of an eggshell can impact on the suitability of eggs for incubation.

(4 marks)

8 A farming business accumulates a large number of used veterinary needles.

Explain **two** consequences of incorrectly managing this hazardous waste.

(4 marks)

9 A farmer has accidentally administered an excessive dose of an antibiotic treatment to a milking cow.

Explain **two** implications of this incorrect administration.

(4 marks)

10 A local farm produces and sells pigs. There is currently an oversupply of pigs onto the market which is expected to last for a three-month period.

Explain **two** impacts of this oversupply in the market on the farm business.

(4 marks)

11 Describe **two** requirements of an emergency plan to deal with fire in a building containing livestock.

(6 marks)

12 A sheep farmer needs to conduct pregnancy scanning of their ewes, which will be lambing indoors.

Explain how pregnancy scanning information can be used to enhance the management of the flock.

(6 marks)

Section B

- 13 A farmer has volunteered to support a neighbouring farm start a new calf enterprise. The calves will be reared in batches together after leaving the mothers. In setting up the new enterprise, the neighbouring farm has also requested advice on how to ensure the new calf enterprise is run efficiently.

Explain the procedures of stock management that would be recommended for an efficiently run calf enterprise, with justifications for your recommendations. Analyse how the business will be impacted if the principles of stock management are not followed effectively in the running of the calf enterprise.

(12 marks)

The T Level is a qualification approved and managed by the Institute for Apprenticeships and Technical Education.

Copyright in this document belongs to, and is used under licence from, the Institute for Apprenticeships and Technical Education, © 2023. 'T-LEVELS' is a registered trademark of the Department for Education. 'T Level' is a registered trademark of the Institute for Apprenticeships and Technical Education. 'Institute for Apprenticeships & Technical Education' and logo are registered trademarks of the Institute for Apprenticeships and Technical Education.

We make every effort to ensure that the information contained in this publication is true and correct at the time of going to press. However, City & Guilds' products and services are subject to continuous development and improvement, and the right is reserved to change products and services from time to time. City & Guilds cannot accept responsibility for any loss or damage arising from the use of information in this publication.

The City & Guilds of London Institute. All rights reserved. City & Guilds is a trademark of the City & Guilds of London Institute, a charity established to promote education and training registered in England & Wales (312832) and Scotland (SC039576). City and Guilds Group Giltspur House, 5–6 Giltspur Street London EC1A 9DE