HM Government

T-LEVELS

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.

City & Guilds

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 accidently 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)

14 A local farm manager is responsible for running a large mixed farm with a range of livestock enterprises. There has just been a confirmed outbreak of a non-zoonotic disease in the farm's sheep. Recently, the sheep enterprise has been expanded with a number of sheep purchased from the local livestock market. The farm has employed additional staff that also work on the neighbouring livestock farm to manage the increased workload.

Analyse the impact of this outbreak across the business and justify actions to improve biosecurity on the farm.

(12 marks)

15 A farmer has been asked to advise on the feeding requirements for calves, from birth up to six months old.

Analyse how diet stimulates the physiological changes within the digestive system of the calves and justify the dietary requirements for the first six months of life.

(12 marks)

End of Assessment

Copyright in this document belongs to, and is used under licence from the Department for Education, © 2023 - 2026.

'T-LEVELS' and 'T Level' are registered trade marks of the Department for Education.

© City & Guilds Limited is authorised by the Department for Education to develop and deliver this T Level Technical Qualification.

City & Guilds is a registered trade mark of © City & Guilds Limited.