HM Government

T-LEVELS

T Level Technical Qualification in Animal Care and Management (Level 3)

Paper 2 – Animal Management Core Pathway (8717-040)

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 **17** 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.

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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 **14** short answer and medium answer questions.

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

Section A

1 Name **one** legislation or regulation regarding waste disposal that businesses in the animal management sector must comply with. (1 mark)

2 State the function of spiracles in an invertebrate. (1 mark)

3 Identify **two** components of blood. (2 marks)

4 State **two** control measures which minimise the risks associated with lone working. (2 marks)

5 Explain **one** reason why it is important to ethically source cadaver disposal services. (2 marks)

6 a) Identify **one** of the divisions of the autonomic nervous system. (1 mark)

b) Explain how the autonomic nervous system responds to a threat. (2 marks)

7 Explain what is meant by 'negative reinforcement' when working with animals. (2 marks)

8 Give **two** examples of the implications to animal welfare, if there are disruptions to the supply chain demands of a veterinary practice. (2 marks)

9 Explain **two** functions of the integumentary system in amphibians. (4 marks)

10 A herd of cows are being held in a field on a rainy day. One of the cows has a wound on its rump that requires a topical treatment spray to be applied.

a) Define the term 'topical' in relation to animal medication techniques. (1 mark)

b) Explain **two** considerations for the handler when applying this method of treatment to the cow. (4 marks)

11 A dog has arrived at a rescue centre and is nervous of humans. The dog is cowering, urinating and shaking when the handlers approach its kennel door.

Explain **two** habituation techniques that can be used to reduce the dog's nervousness. (4 marks)

12 An animal has been diagnosed with ringworm.

Explain **two** actions to safely dispose of the animal's bedding. (4 marks)

13 Explain **two** requirements of an emergency plan for dealing with a fire in a building that houses animals at a wildlife park that is open to the public. (6 marks)

14 Animals kept in zoos are regularly weighed as part of their health monitoring. In order to minimise stress, large mammals are trained to walk onto a weighing platform.

Explain how positive reinforcement can be used in operant conditioning to train the large mammals to be weighed. (6 marks)

Section B

15 An adult dog at a rescue centre has recently been diagnosed with the bacterial infection, salmonella, which has resulted in weight loss. The dog is vomiting, has diarrhoea and is lethargic. The dog is currently undergoing veterinary care and treatment.

Analyse how salmonella affects the digestive system of the dog. Justify the actions the rescue centre need to undertake to maintain the health of the dog whilst it is in isolation and being treated for the bacterial infection. You are not expected to discuss the veterinary medicine prescribed.

(12 marks)

16 A farm adventure park that offers bird of prey flying demonstrations and small mammal handling, has a confirmed case of the notifiable disease, avian influenza. The aviaries are located in a separate area at the back of the park.

Analyse the implications an outbreak of avian influenza on the business. Justify the control measures needed to prevent the spread of disease to maintain the health of all other animals on the premises.

(12 marks)

17 A severe thunderstorm has been forecasted to arrive in the next three days, bringing a risk of strong winds and flooding to both a donkey sanctuary and the surrounding area. This means the sanctuary may be inaccessible for staff, deliveries and collections for the duration of the storm and the following days. The storm may also cause disruptions to the sanctuary's power supply. There is no suitable transport available to move the donkeys offsite, therefore, a minimal number of staff will be required to stay in onsite accommodation during the storm due to the predicted inaccessibility of the sanctuary.

Analyse the hazards to the staff remaining onsite throughout the storm. Justify recommended measures to ensure the ongoing care of the donkeys during the period of inaccessibility.

(12 marks)

End of Assessment

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