



**0172-539 MARCH 2022**

**Level 3 Technicals in Animal Management (Zoos)**

Level 3 Animal Management – Theory exam (2)

If provided, stick your candidate barcode label here.

**Friday 4 March 2022  
09:30 – 11:30**

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 **three** considerations that should be made when choosing the location of an aquarium. (3 marks)

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- 2 State **two** sources of aquatic livestock. (2 marks)

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- 3 Explain **two** adaptations of lungfish to their environment. (4 marks)

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4 Explain why algae wafers should be used as part of a feeding strategy in a mixed species aquarium.

(3 marks)

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5 Explain **one** function of the lateral line in fish.

(2 marks)

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6 State **four** breeding triggers in birds.

(4 marks)

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7 A commercial chicken farm is struggling with the quality of their eggshells. The chickens are housed in a barn.

a) Explain which vitamin and mineral should be added to the chickens' diet to improve eggshell quality.

(4 marks)

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b) Give **one** reason why outdoor housing could contribute to improving eggshell quality.

(1 mark)

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8 Explain **three** causes of feather plucking in birds.

(6 marks)

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9 Define **each** of the following terms.

a) Zoonanthroponosis. (1 mark)

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b) Vector. (1 mark)

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\_\_\_\_\_

10 Explain **three** emergency protocols that should be in place in the event of a dangerous animal escape. (6 marks)

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11 Explain the use of studbooks in conservation breeding programmes. (5 marks)

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12 State **three** external influences on the land-based business market. (3 marks)

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13 Explain how financial records can be used to monitor business performance. (3 marks)

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