



0172-535 MARCH 2018
Technicals in Animal Management
 Level 3 Animal Management – Theory exam (2)

If provided, stick your candidate barcode label here.

Monday 12 March 2018
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 any additional answer sheets are used, enter the additional number of pages in this box.

- Please ensure that you **staple** additional answer sheets to the **back** of this answer booklet, clearly labelling them 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.
- 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 assessment 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 11 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 **main** type of disease and the pathogen responsible for the decline in wild amphibians. (2 marks)



Figure 1
<http://www.beardeddragoncare101.com>

- 2 a) State the disease shown in Figure 1. (1 mark)

- b) State **three** possible causes of the disease shown in Figure 1. (3 marks)

- c) State **two** treatments for the disease shown in Figure 1. (2 marks)

3 Give **two** examples of inappropriate care, and explain how **each** can lead to the ill health of a named exotic reptile. (6 marks)

4 State **two** methods of reducing the risk of pathogenic disease transmission in a zoo. (2 marks)

5 Give **two** advantages and **two** disadvantages for **each** of the following barrier types when used in zoos. (4 marks)

a) Wet moat. (4 marks)

b) Solid glass. (4 marks)

6 a) 'Divergent' is a type of evolution within animal populations. Name and give the definition of the other **two** types of evolution and provide one example for each type. (6 marks)

b) Give **two** examples of divergent evolution. (2 marks)

7 Name **two** pieces of legislation or guidelines that zoos within the United Kingdom must adhere to. (2 marks)

8 Define these terms which are related to wildlife population dynamics. a) Fecundity. (1 mark)

b) Metapopulations. (1 mark)

9 State **three** reasons for global population fluctuations. (3 marks)



- 10 a) Using examples, describe **three** different enrichment techniques in the table below:
- b) Describe one benefit for each technique described in the table below:

(6 marks)
(3 marks)

Enrichment techniques	Example	Benefit



