



**0172-541 JUNE 2018**

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

Level 3 Animal Management – Theory exam (2)

If provided, stick your candidate barcode label here.

**Wednesday 20 June 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 16 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 Figure 1 shows a pyramid for three tropic levels, each bar represents the number of individual's in each population.

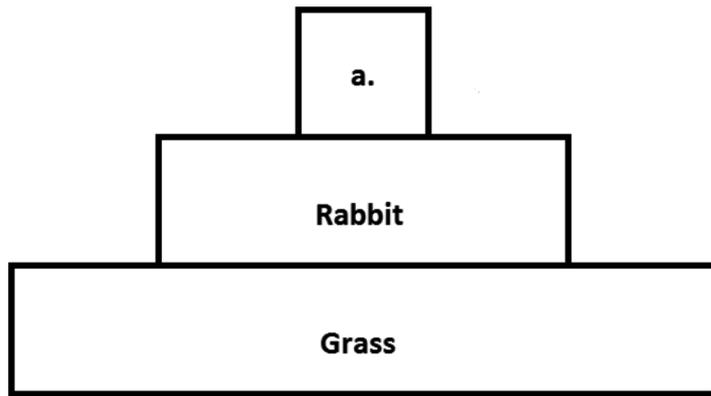


Figure 1

a) State a suitable species for bar 'a'. (1 mark)

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b) Describe how the population size of the primary consumer affects the other species in Figure 1. (2 marks)

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2 Explain the role of Biodiversity Action Plans in conservation. (4 marks)

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3 State one example of convergent evolution. (1 mark)

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4 Describe **two** differences between convergent and divergent evolution. (2 marks)

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5 State **two** suitable pieces of equipment that could be used for dealing with an injured hedgehog. (2 marks)

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6 Describe when a rehabilitated animal is ready for release back into the wild. (4 marks)

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7 Describe how illegal trades can affect wildlife populations. (4 marks)

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8 A wildlife manager wants to monitor a pack of African painted dogs.

Explain how the wildlife manager could identify an individual animal during monitoring. (4 marks)

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9 a) State **three** ways humans cause habitat fragmentation. (3 marks)

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b) Give **three** reasons why habitat fragmentation can have a negative impact on wildlife populations. (3 marks)

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10 State **two** pieces of legislation that an animal rehabilitation centre needs to adhere to. (2 marks)

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11 Explain **three** ways equipment error can be minimised when surveying for fauna. (3 marks)

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12 Explain how seasonal events affect wildlife populations. (4 marks)

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13 State **three** types of payment methods for services provided by a land-based business. (3 marks)

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14 Explain **three** advantages of storing financial records electronically. (3 marks)

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15 a) State how biotic and abiotic factors differ.

(1 mark)

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b) Provide an example of a biotic factor.

(1 mark)

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c) Provide an example of an abiotic factor.

(1 mark)

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