



0173-509 MARCH 2019

Level 3 Technicals in Land and Wildlife

Level 3 Land and Wildlife – Theory Exam (2)

If provided, stick your candidate barcode label here.

**Thursday 14 March 2019
13:30 – 15:30**

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

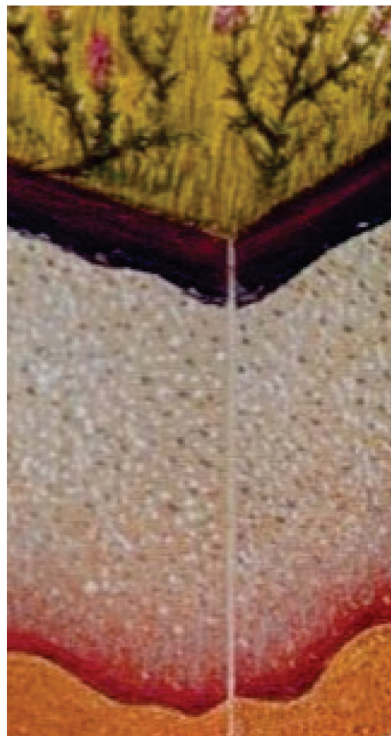
- Use black or blue ball-point pen.
- The marks for questions are shown in brackets.
- This examination contains 15 questions. Answer **all** questions.
- Answer the questions in the spaces provided. Answers written in margins or on blank pages will **not** be marked.
- Cross through any work you do not want to be marked.



1 State any **three** stages of the hydrological cycle. (3 marks)

2 State the major rock type that forms through deposition. (1 mark)

3 Describe any **three** layers in the soil profile shown in **Figure 1**. (6 marks)



Source: <http://www.diyinfozone.com>

Figure 1

4 For each of the following UK locations, state the predominant rock type:

a) Giant's Causeway

b) Malham Cove

c) Dartmoor Tors

(3 marks)

5 Explain why photosynthesis is important for all animals.

(5 marks)

6 State **three** processes involved in the Nitrogen Cycle.

(3 marks)

7 Explain how Wildfowl centres affect local environmental processes.

(3 marks)

8 Describe **three** features that indicate historic woodland status. (6 marks)

9 Explain **two** ways how an unmanaged woodland ride can be managed to improve its ecological structure. (4 marks)

10 Describe **three** advantages of using planting instead of natural regeneration. (3 marks)

11 State **two** safety considerations when installing a bat box. (2 marks)

12 State **three** typical characteristics of an *r* breeding strategy. (3 marks)

13 Give **three** reasons why polygamous mating systems often result in the development of aggressive behaviours. (3 marks)

14 Describe **three** consequences of isolation within a fragmented landscape. (3 marks)
