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0173-513 MARCH 2022

Level 3 Technicals in Land and Wildlife

Level 3 Land and Wildlife Management – Theory Exam (2)

If provided, stick your candidate barcode label here.

Tuesday 15 March 2022
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 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.



1 List **four** physical properties of water. (4 marks)

2 State **two** rock types **and** describe their formation. (4 marks)

Type:

Formation:

Type:

Formation:

3 Explain **two** factors that affect the composition and formation of soil. (4 marks)

8 State the primary role of **three** of the **main** components in fish nutrition. (3 marks)

9 Explain **three** reasons for creating a feeding regime for captive fish. (3 marks)

10 Explain **two** effects that a rise in water temperature would have on the physiological systems of fish. (4 marks)

11 Describe **two** common symptoms seen in fish associated with an outbreak of *Aeromonas* bacteria. (2 marks)

12 State **two** causes of Gas Bubble Disease in fish. (2 marks)

13 Name **two** pieces of legislation associated with fish health in the UK. (2 marks)

14 State the classification of **two** types of fish parasite. (2 marks)

15 Explain **three** potential environmental health problems caused by overfeeding fish within a pond. (3 marks)

16 Explain the likely reasons for a fish within an aquarium to be producing excess mucus, 'flashing' against décor and have reddening on the flanks. (3 marks)
