



0173-509 MARCH 2022 Level 3 Technicals in Land and Wildlife Management

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

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- If additional answer sheets are used, enter the additional number of pages in this box.
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- 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.
- \bullet 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.

Nar	me the three major types of rock.	(3 marks
Sta	te three factors that are required to enable photosynthesis to take place.	(3 marks
San a)	nd, silt and clay particles form the mineral element of soil. State which mineral element of soil has the largest particles.	(1 mark)
b)	State which mineral element of soil can most easily be rolled into a thin sausage shape between the fingers.	(1 mark)
Nar	me two types of precipitation in relation to the hydrological cycle.	(2 marks)

ecosystem than a food chain.							

Explain how the activity of hill walking can affect environmental processes in the locality.	(6 marks)
With reference to the physical properties of water, explain why the temperature in a	
pody of water is slow to rise in hot weather.	(2 marks)
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Name four National Vegetation Classification (NVC) woodland communities.	(4 marks)

State two methods of presenting woodland survey information.	(2 ma
Explain how maintaining ecotones in a woodland can benefit wildlife.	(3 ma
Explain how three named features of a woodland could indicate that it is unlikely to	
be ancient woodland.	(6 ma

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12	Name three biotic factors which influence metapopulations.	(3 marks)
13	Describe four factors to consider when selecting sampling and survey methods, when undertaking flora surveys.	(4 marks)
14	Explain why, in most animal species, females are more selective than males when choosing a mate.	(2 marks)

(12 marks)

2022

15 A landowner has asked for a management plan to be written for an area of native broadleaf woodland they have inherited.

The landowner is not local to the area and has little knowledge of the woodland though has been told that it used to be known for its spring displays of bluebells, wood anemones and rhododendron flowers.

The landowner has stated that their primary management objective is to increase biodiversity within the woodland.

Discuss the information which will be required in order to draft the management olan and explain a range of management techniques which could be implemented to achieve the landowner's objective.							



