



0170-501 MARCH 2022

Level 2 Technical Award in Land-based Studies

Level 2 Land Based Studies – Theory exam (1)

If provided, stick your candidate barcode label here.

Monday 14 March 2022
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 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 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 List **four** crop harvesting machines.

(4 marks)

2 Identify **four** different mammals or birds that are considered pests, which can cause plant damage.

(4 marks)

3 For **each** of the following factors, explain how they can affect food production.

a) Temperature.

(2 marks)

b) Altitude.

(2 marks)

c) Low rainfall.

(2 marks)

d) Soil.

(2 marks)

4 For **each** of the following act of parliament, describe **two** ways that they have helped to shape the countryside.

a) Agriculture Act.

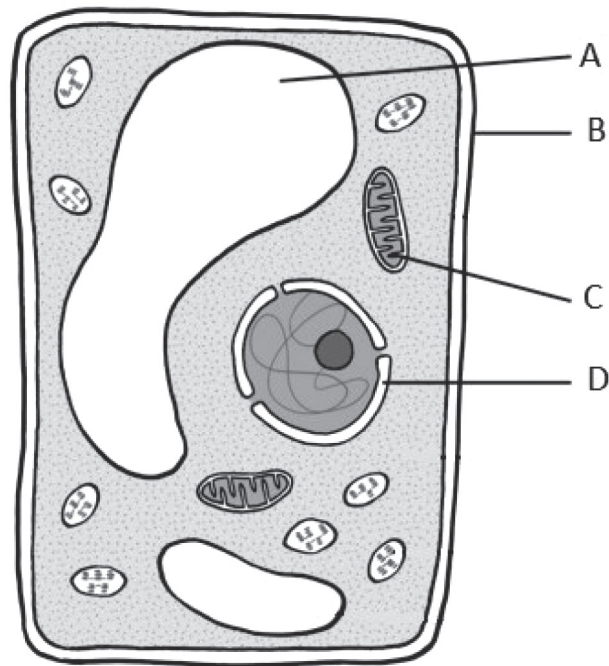
(2 marks)

b) Countryside and Rights of Way Act.

(2 marks)

5 List **two** criteria for an area to be designated a Site of Special Scientific Interest (SSSI).

(2 marks)



Source: www.pinterest.com

Figure 1

- 6 a) Identify the parts labelled A-D in the plant cell shown in Figure 1. (4 marks)

- b) Describe **one** function of **each** of the parts identified in Figure 1. (4 marks)

7 Describe **two** factors that affect the rate of transpiration. (4 marks)

8 Describe the texture of **four** different soil types. (4 marks)

9 Describe **four** reasons for good nutrition in animals. (4 marks)
