

0170-505 Sample Paper

Level 2 Technical Award in Land Based Studies

Level 2 Land Based Studies – Theory exam (1)

You should have the following for this examination

- a pen with blue or black

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 a) Name **two** government organisations that may influence land use. (2 marks)

b) For **one** of the organisations named in 1a), describe **one** of their effects on the farming industry. (2 marks)

2 Explain **three** ways that topography can influence the choice of farming enterprise. (6 marks)

3 Explain **two** potential benefits of Genetically Modified (GM) crops. (4 marks)

4 a) Name **two** parts of a plant cell. (2 marks)

b) Describe the function of **each** part named in 4 a). (4 marks)

5 Explain one function of flowers on a plant.

(2 marks)

6 Describe the process of aerobic respiration in plants.

(4 marks)

7 List **six** consequences of an improper diet for an animal.

(6 marks)

8 For an animal of your choice, describe **six** visual signs of good health.

(6 marks)

9 List **four** factors that could affect the selection of new equipment on a farm.

(4 marks)

10 Explain why **each** of the following items of equipment are used in land management and production.

a) A tractor.

(2 marks)

b) A cultivator.

(2 marks)

c) A combine harvester.

(2 marks)

11 Discuss how technology has affected animal production, health and welfare on commercial farms.

(12 marks)
