



0171-502 JUNE 2018
Level 3 Technicals in Agriculture
 Level 3 Agriculture – Theory exam (1)

If provided, stick your candidate barcode label here.

Friday 15 June 2018
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 any additional answer sheets are used, enter the additional number of pages in this box.

- Please ensure that you **staple** additional answer sheets to the **back** of this answer booklet, clearly labelling them 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.
- 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 assessment 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 13 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.



3 a) State **one** way of measuring the moisture content of a grain sample. (1 mark)

b) State the maximum moisture content for the effective long term storage of wheat. (1 mark)

c) Explain **two** implications of storing wheat above the optimum moisture content. (4 marks)

5 a) State **four** soil characteristics that can affect plant growth and development. (4 marks)

b) Give an example of how **each** of these characteristics can affect plant growth and development. (4 marks)

6 a) Describe the life cycle of a named agricultural annual crop. (2 marks)

b) Describe the life cycle of a named agricultural perennial crop. (2 marks)

7 With reference to common couch grass, explain how asexual reproduction can take place. (3 marks)

8 a) What is the normal body temperature of a lamb? (1 mark)

b) State, in days, the gestation period in ewes. (1 mark)

9 a) A finished bacon pig at slaughter will weigh approximately how many kilograms live-weight? (1 mark)

b) What is the definition for a Gilt? (1 mark)

10 State **three** beef finishing systems available in the UK. (3 marks)
