0171-506 MARCH 2019
Level 3 Advanced Technical Extended Diploma in Agriculture
(Mixed farming)
Level 3 Agriculture – Theory exam (2)

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  a) List two pieces of equipment that could be used to make a crop of silage. (2 marks)

b) State one function of each piece of equipment listed in 1a). (2 marks)

2  Explain three advantages of including clover in a seeds mixture for grazing. (6 marks)
3 State **four** factors to be considered when deciding to cut grass for first cut silage. (4 marks)

4 State **two** qualities of chicory that would encourage its use in a grassland sward. (2 marks)

5 Explain **four** factors that will affect the growth pattern of grass throughout the year. (8 marks)
6. List **six** points to consider when preparing a risk assessment for operating an all-terrain vehicle (ATV).

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7. Explain **three** advantages of using a rough terrain telescopic forklift (RTFL) to move heavy loads.

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8 State **four** types of transmission found on an ATV or RTFL. (4 marks)

9 State **four** areas where the Health and Safety at Work Act affects the operation of an ATV or RTFL. (4 marks)

10 Explain **two** differences between a diesel-powered ATV compared to a petrol one. (4 marks)
11 A farmer has noticed some bare patches in a grass field. Discuss the methods and plant species that the farmer might use to re-establish the sward, and how an ATV can be used to assist. (12 marks)