



0171-512 MARCH 2019 Level 3 Advanced Technical Extended Diploma in Agriculture (Arable)

Level 3 Agriculture – Theory exam (2)

If provided, stick your candidate barcode label here.

Friday 15 March 2019 13:30 – 15:30

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 num	nhar of pages in this hav

- 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.

)171-512	2	15 March 2019
l De a)	escribe how the following types of waste can be disposed of safely. Metal.	(1 mark
b)	Fertiliser.	(1 mark
C)	Oils.	– (1 mark)
d)	Plastic.	(1 mark)
Sta	ate four pieces of legislation that apply to the storage, handling and disposal farm waste.	(4 marks
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3	Explain two factors that should be taken into account by the farmer when preparing a farm waste management plan.	(4 marks)
4	List four different types of farm habitat that are important for the conservation of wildlife.	(4 marks)

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	Good hedge management.	(4 mar
b)	Field margins.	(4 mar

-512	15 March 2019
State four factors that need to be taken into account by the operator when calibrating a tractor mounted sprayer.	(4 marks)
Explain four factors that would affect the accurate application of fertilisers.	(8 marks)
	a tractor mounted sprayer.

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017 ⁻	1-512	15 March 2019
8	Explain two pre-start checks that should be carried out on an all-terrain vehicle (ATV).	(4 marks)
9	State four specialist features found on a rough terrain telescopic forklift (RTFL).	(4 marks)
10	List four different ways of improving traction when using a RTFL.	(4 marks)

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A farmer is using a rough terrain telescopic forklift (RTFL) to load 600 Kg fertiliser bags into a twin disc fertiliser spreader which will then be spread on a level arable field. 11 Discuss the advantages of using the RTFL in this situation, and how to minimise damage to the environment when loading and spreading the fertiliser. (12 marks)

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