



## 0171-506 MARCH 2018 Level 3 Advanced Technical Extended Diploma in Agriculture (Mixed farming)

Level 3 Agriculture – Theory exam (2)

If provided, stick your candidate barcode label here.

Friday 16 March 2018 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 any additional answer sheets		l 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.

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1	a)	To make a crop of field dried baled hay, list <b>two</b> trailed machines that would be used in the field.	(2 marks)
	b)	State <b>one</b> function of <b>each</b> of the machines that you have listed in 1a).	(2 marks)
2	Expl	lain <b>two</b> different advantages and <b>two</b> disadvantages of wrapped big bale silage	
_	whe	en compared to clamp silage. For <b>each</b> answer state whether it is an advantage isadvantage.	(8 marks)

3 E - - - -	xplain <b>four</b> factors which will influence grass digestibility in cut silage.	(4 mark
- - 4 S	tate <b>four</b> qualities of Timothy grass.	(4 marks
5 a	) State <b>two</b> methods of controlling weeds in a grass field.	(2 marks

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	16 March 2018
List <b>four</b> items of PPE that should be worn whilst riding an All-Terrain Vehicle (ATV).	(4 marks) 
Explain <b>four</b> reasons for having the correct tyre pressures on a Rough Terrain Telescopic Forklift (RTFL).	(4 marks) 
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List <b>four</b> precautions to be taken when parking an All-Terrain Vehicle (ATV) on a steep slope.	(4 marks)

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9	Exp Teri	lain <b>three</b> causes of sideways instability which may occur when using a Rough <sup>r</sup> ain Telescopic Forklift (RTFL).	(3 marks)
10	a)	State the function of the differential lock on an All-Terrain Vehicle (ATV).	(1 mark)
	b)	Give <b>one</b> situation where the differential lock on an ATV would be used.	(1 mark)
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11		scribe <b>three</b> ways of minimising the risk of injury to the operator when working on ep slopes with an ATV.	(3 marks)

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12	List <b>four</b> ways fuel consumption can be reduced on a Rough Terrain Telescopic Forklift.	(4 marks)

A farmer has been using a Rough Terrain Telescopic Forklift (RTFL) in a grass field throughout the winter. Some pasture damage has occurred as a result of this activity. 13 The farmer wishes to maintain the field for grass silage. Discuss the damage that may have occurred and how the forklift should be operated to minimise future pasture damage. Suggest and justify methods to rectify the damage. (12 marks)