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91294



SUPERVISOR'S USE ONLY

Level 2 Agricultural and Horticultural Science, 2019 91294 Demonstrate understanding of how NZ commercial management practices influence livestock growth and development

2.00 p.m. Monday 25 November 2019 Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate understanding of how management practices influence livestock growth and development in commercial production in New Zealand.	Demonstrate in-depth understanding of how management practices influence livestock growth and development in commercial production in New Zealand.	Demonstrate comprehensive understanding of how management practices influence livestock growth and development in commercial production in New Zealand.

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

You should attempt ALL the questions in this booklet.

If you need more room for any answer, use the extra space provided at the back of this booklet.

Check that this booklet has pages 2–12 in the correct order and that none of these pages is blank.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

TOTAL

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The following questions require you to discuss THREE different livestock of your choice, such as sheep, salmon, cattle, deer, poultry, insects, horses, or alpacas.

Make sure you choose different livestock for EACH Question.

Before selecting your livestock, carefully read ALL the questions to ensure that your selection will allow you to meet ALL the requirements.

QUE	QUESTION ONE: ENVIRONMENTAL MODIFICATION				
	Door and healteen are harm at words				
	Bees and beekeepers busy at work				
	quality and quantity of product produced by a livestock species, such as honey produced by , can be influenced by modifying the environment to encourage growth and development.				
Sele	ct your livestock for this question and write it below.				
Liv	estock for Question One:				
(a)	Describe a specific technique that farmers use to modify your chosen livestock's environment.				

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QUE	ESTION TWO: DISEASE MANAGEMENT
	Farm gate warning signs
New	oplasma bovis is a nationally significant disease that has had a major impact on cattle in Zealand. It is important for farmers to put in place practices that protect their livestock from ar outbreaks so that the industry is protected from their economic impacts.
Selec	ct your livestock for this question and write it below.
Note	: Make sure you choose different livestock for EACH Question.
Live	estock for Question Two:
(a)	Name a nationally significant disease that affects your chosen livestock species, and describe how farmers prevent its spread.

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QUESTION THREE: NUTRITION
Goats feeding
Farmers often have to choose between different feed types when raising livestock species. For example, goat farmers can choose between Lucerne silage or Ryegrass silage.
Select your livestock for this question and write it below.
Note: Make sure you choose different livestock for EACH Question.
Livestock for Question Three:
(a) Explain how a specific livestock feed is selected to improve your chosen livestock species' growth and development.

discussing	use of this feed by comparing and contrasting it with the use of an alternative, how each impacts the quality, quantity, and the economics of livestock production	on.

Part (b) continues on page 10 ➤

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Acknowledgements

Images from the following sources have been used in this examination:

Page 2

Image: https://www.mossopshoney.co.nz.

Page 5

Image: http://www.theensign.co.nz/wp-content/uploads/2018/01/rl16bovismain3-Medium.jpg

Page 8

 $https://www.lely.com/media/filer_public_thumbnails/filer_public/63/d7/63d7dbdc-b17d-45cc-82bf-$ Image:

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