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SUPERVISOR'S USE ONLY

91294



Level 2 Agricultural and Horticultural Science, 2018 91294 Demonstrate understanding of how NZ commercial management practices influence livestock growth and development

9.30 a.m. Wednesday 28 November 2018 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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This examination requires you to discuss THREE different livestock of your choice, such as sheep, salmon, cattle, deer, pigs, poultry, insects, horses, or alpacas. **Before** selecting your livestock, carefully read ALL the questions to ensure that your selection will allow you to meet ALL the requirements.

QUESTION ONE: PRODUCTION MONITORING AND TIMING

Selec	ted livestock:	
dition so		ising practices such as weighing, measuring, or ed by the farmer to make management decisions nent of the livestock.
	Measuring	Condition scoring
Sou	rce: https://caseagrant.ucsd.edu/sites/default/files/Coho%20Smolt.JPG.	Source: https://www.agric.wa.gov.au/sites/gateway/files/Fat%20Cow.JPG.
Descr	ribe how farmers monitor the growth	and development of your chosen livestock.

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QUESTION TWO: BREEDING

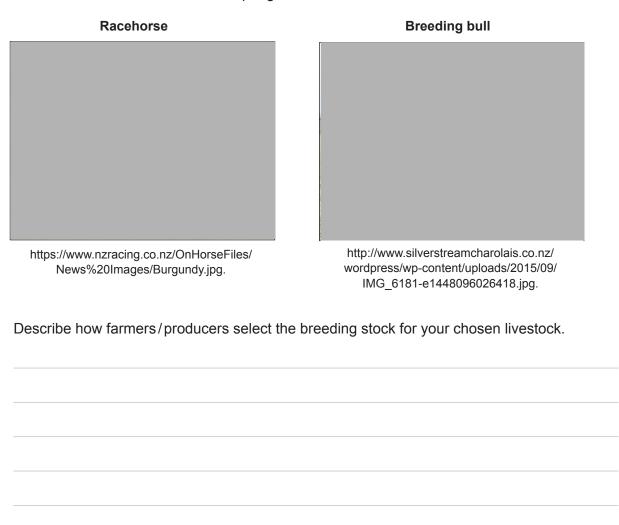
(a)

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Select your livestock for this question. The livestock you select for this question **must** be different to those you select for Question One and Question Three.

Selected livestock:

Selective breeding management practices are used to improve the characteristics of livestock, so that the product produced fully meets the demands of the buyer. For example, thoroughbred sires are chosen for traits that enable their offspring to run fast.



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QUESTION THREE: LIVESTOCK HEALTH

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Select your livestock for this question. The livestock you select for this question **must** be different to those you select for Question One and Question Two.

those you select for Question One and Que	estion Iwo.
Selected livestock:	
evelopment. For example, dairy goats need	althcare is important in order to maximise growth and to have their feet trimmed frequently. This is partly d stony ground of the environment they prefer.
Goat hoof-trimming	Treatment of bees against mites
www.youtube.com.	http://scientificbeekeeping.com/the-learning- curve-part-3-the-natural-miticides/.
a) Explain how a health management practite it improves livestock growth and develo	ctice is carried out on your chosen livestock, and how pment.

Justify the use of this health management practice by discussing how it improves the quali quantity, and economics of livestock production.	

Extra space if required.
Write the question number(s) if applicable.

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QUESTION NUMBER	'		