higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE (VOCATIONAL)

ANIMAL PRODUCTION
NQF LEVEL 2

(1011022)

27 February 2018 (X-Paper)
09:00–12:00

CLOSED-BOOK EXAMINATION

This question paper consists of 5 pages.

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TIME: 3 HOURS
MARKS: 150

INSTRUCTIONS AND INFORMATION

1. Answer ALL the questions.
2. Read ALL the questions carefully.
3. Number the answers according to the numbering system used in this question paper.
4. Write neatly and legibly.

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QUESTION 1

1.1 Give ONE word or term for each of the following descriptions. Write only the word or term next to the question number (1.1.1–1.1.10) in the ANSWER BOOK.

1.1.1 When more beds are kept within a given area than recommended

1.1.2 Total number of birds in a house

1.1.3 Disease-causing organism

1.1.4 All the chickens are sold or sent to the abattoir at the same time

1.1.5 Pumping of the heart

1.1.6 Food with a pleasant taste

1.1.7 Removal of horn buds from small stock

1.1.8 Male reproductive cell

1.1.9 When a fertilised egg sinks into the uterus

1.1.10 When there is a lot of acid in the rumen

(10 × 1) (10)

1.2 Define the following terms:

1.2.1 Anabolism

1.2.2 Nutrients

1.2.3 Platelets

1.2.4 Plasma

1.2.5 Stocking

(5 × 2) (10)

1.3 Name FIVE sources of protein. (5)

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QUESTION 2

2.1 2.1.1 List any FOUR parts of a chicken's respiratory system. (4)

2.1.2 List FOUR types of blood cells. (4)

2.1.3 Name THREE important parts of the cardiovascular system. (3)

2.1.4 Name FOUR main types of poultry. (4)

2.1.5 Name FIVE advantages of using crumbles. (5)

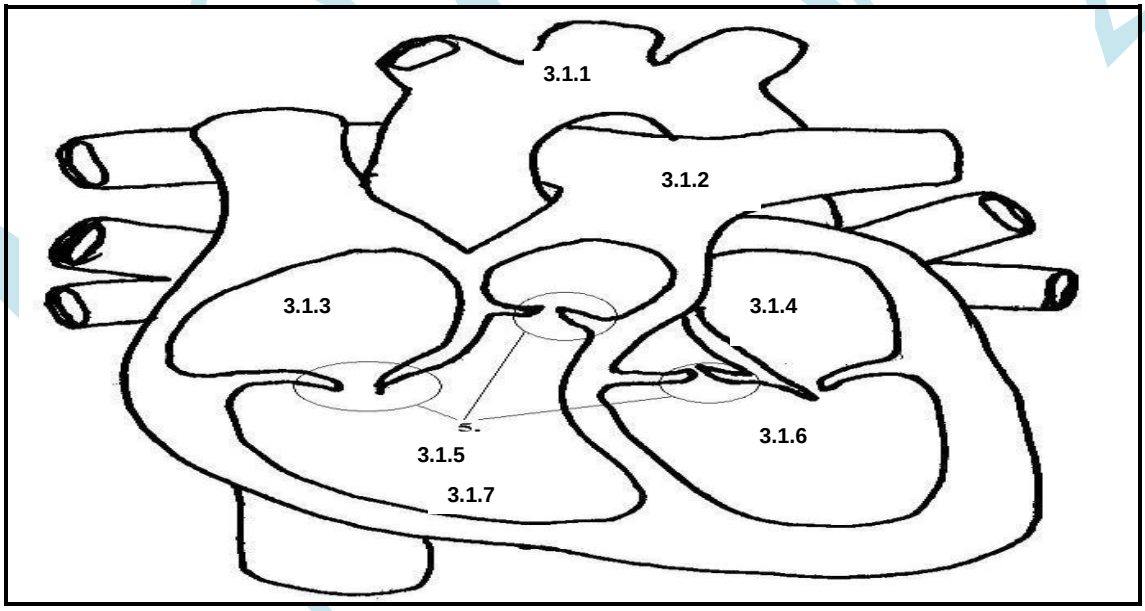
2.1.6 What can you use to measure temperature? (1)

2.2 Explain problems that can be caused by high temperature in a poultry house. (5)

[26]

QUESTION 3

3.1 Label the structure below indicating the blood-flow route through the heart by writing the answer next to the question number (3.1.1–3.1.7) in the ANSWER BOOK.



(7)

3.2 Name FIVE signs of sick chickens. (5)

3.3 Name and briefly explain the symptoms of each of the following diseases:

3.3.1 Newcastle disease (10)

3.3.2 Fowl pox (10)

3.3.3 Infectious coryza (10)

3.4 List the internal and external parasites in poultry in table format. (8)

[50]

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QUESTION 4

4.1	4.1.1	Name TWO meat-producing goat breeds in South Africa.	(2)
	4.1.2	Name TWO indigenous goat breeds in South Africa.	(2)
	4.1.3	Name FIVE dairy goat breeds.	(5)
	4.1.4	Why is colostrum important?	(1)
4.2	Describe the following animal husbandry procedures:		
	4.2.1	Feeding small stock	
	4.2.2	Weaning small stock	
	4.2.3	Dehorning	
	4.2.4	Descenting	
	4.2.5	Castration	
		(5 × 3)	(15)
4.3	4.3.1	Name THREE types of joints in the body.	(3)
	4.3.2	Name FIVE types of movement joints.	(5)
	4.3.3	Give FIVE functions of bone in the body.	(5)
	4.3.4	Name and explain THREE types of muscles.	(6)
4.4	Name FIVE factors which affect the temperature of a goat.		(5)
			[49]

TOTAL: 150

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