higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE (VOCATIONAL)

ANIMAL PRODUCTION
NQF LEVEL 2

(1011022)

8 November 2018 (X-Paper)
09:00–12:00

This question paper consists of 5 pages.

NCV

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.

NC(V)

QUESTION 1

1.1 Indicate whether the following statement is TRUE or FALSE. Choose the answer and write 'True' or 'False' next to the question number (1.1.1–1.1.5) in the ANSWER BOOK.

1.1.1 Dual purpose bread are kept for egg production.

1.1.2 Heavy breeds of poultry can be kept indoors as they have the ability to fly.

1.1.3 Synovial fluid helps to lubricate muscles and keep them moisturised.

1.1.4 Goat is a ruminant animal.

1.1.5 Implantation is whereby fertilised egg sinks into the uterus.

(5 × 1) (5)

1.2 1.2.1 Give SIX problems that are faced by poultry farmers in South Africa. (6)

1.2.2 Name THREE hallow chicken bones (3)

1.2.3 Name FIVE types of bones. (5)

1.2.4 Name the THREE components the circulatory system consists of. (3)

1.2.5 List THREE pneumatic bones. (3)

1.3 1.3.1 Give FIVE reasons why we keep records on the farm. (5)

1.3.2 Give TWO main types of ventilation in a poultry house. (2)

1.3.3 Explain intensive system of rearing poultry. (5)

1.3.4 Name TWO vitamins that are soluble in fats. (2)

1.3.5 Name THREE types of broiler feed. (3)

1.3.6 Differentiate between *mortality* and *natality*. (2)

1.3.7 Why is it necessary to provide a house for poultry? (1)

1.3.8 Name and explain the TWO polysaccharides. (7)

[52]

Copyright reserved

QUESTION 2

2.1 Briefly explain the following terms:

2.1.1 Atria

2.1.2 Broiler

2.1.3 Stocking density

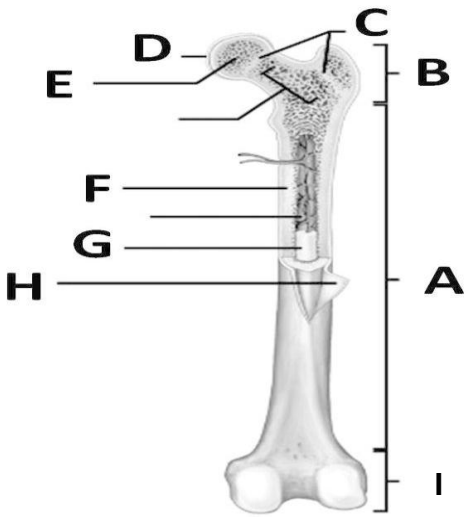
2.1.4 Chew the cud

2.1.5 Nutrients

(5 × 2) (10)

2.2 Give FOUR factors that plays pivotal roles in bone development. (4)

2.3 Label the structure of a long bone. Write only the answer next to the letter (A–I) in the ANSWER BOOK.



(9 × 1) (9)

2.4 Give FOUR functions of the breathing system. (4)

2.5 Name and explain THREE types of blood circulation. (3 × 3) (9)

2.6 Name THREE types of blood cells. (3)

[39]

QUESTION 3

3.1 Explain FIVE reasons for keeping records of broiler production. (5)

3.2 Name and describe THREE poultry houses. (3 × 3) (9)

3.3 State FIVE birds that lay brown eggs. (5)

3.4 Name SIX broiler breeds in South Africa. (6)

3.5 State THREE characteristics of each of the following:

3.5.1 Broiler

3.5.2 Layer breed

3.5.3 Dual purpose

(3 × 3) (9)

3.6 Describe the term *breed.* (1)

[35]

QUESTION 4

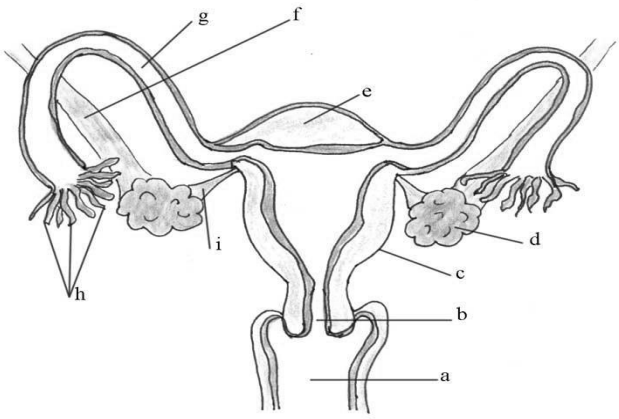
4.1 Name THREE type of micro-organisms found in the rumen. (3)

4.2 Name and explain TWO types of grazing system. (2 × 2) (4)

4.3 Name THREE identification models when farming with goats. (3)

4.4 Name FIVE signs that show that a goat is ill. (5)

4.5 Label the drawing (below) of female genital organs. Write only the answer next to the letter (a–i) in the ANSWER BOOK.



(9 × 1) (9)

[24]

TOTAL: 150

Copyright reserved