

LIVESTOCK PRODUCTION II (Nutrition)

KCSE QUICK REVISION

***Compilation of Possible Questions in Agriculture Likely to be
Examined in KCSE.***

***A Special Analysis of Prediction Questions that may be Tested in
KCSE from this Topic in Form 2.***

AGRICULTURE

SERIES 1

For Marking Schemes

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LIVESTOCK PRODUCTION II

NUTRITION

This topic entails the following:

- ✓ Identification and classification of livestock feeds.
- ✓ Digestion and digestive systems of cattle, pigs and poultry
- ✓ Definition of terms used to express field values
- ✓ Preparation of balanced ration for various livestock
- ✓ Functions and deficiency symptoms of various nutritional elements.

The following relevant questions and their answers in this topic will greatly motivate and help the user to comprehend and understand the required concepts and practices;

1. What is a production ration as used in animal nutrition? (1mk)
2. Name two groups into which vitamins are classified. (1 mk)
3. State 3 factors that influence the amount of water intake by a farm Animal. (1½ mks)
- 4 (a) Differentiate between a roughage and a concentrate feed in animal nutrition. (2mks)
- (b) State three ways in which a production ration may be utilized by cattle. (3 mks)
5. Give four characteristics of a livestock roughage feedstuff.
6. Outline four functions of proteins in the body of an animal. (2mks)
7. Outline four factors that determine the nutritional requirements in Cattle (2mks)

8. Give 4 functions of calcium in dairy cow. **(2mks)**
9. State four factors that are considered when formulating a livestock ration **(2 marks)**
10. (a) Explain the term “production ration” as used in livestock productions. **(1mk)**
- b) State four factor which determine the amount of feed an animal can consume. **(4mks)**
11. State three reasons for feeding livestock. **(1½mks)**
12. Give **two** ways by which production ration may be utilized by dairy goats
13. Given that the livestock reared require a ration of 18% DCP and the farmer has maize brand of 10% DCP and sunflower meal of 30% DCP. Use Pearson’s square method to calculate how much of the feedstuffs a 150kg rations
14. State the importance of the following in livestock nutrition:
- i) Water
- ii) Vitamin A
15. Name the compartment of the ruminant stomach where microbial digestion takes place.
16. i) A ration containing 18% protein is to be made from maize and sunflower cake. Given that maize contains 7% protein, and sunflower seed cake 34% protein. Use Pearson square method to calculate the value of feedstuffs to be used to prepare 100kgs of the feed

ii) A part from Pearson square method, name **two** other methods that can be used to formulate feed ration

17. (a) Define the term ration as used in livestock nutrition

(b) A farmer wanted to prepare a 200kg of pig's ration containing 16% D.C.P. Using the Pearson's square method, calculate the amount of maize containing 10% D.C.P and cotton seed containing 28% D.C.P the farmer would need to prepare the ration (*show your work*)

18. Give **two** livestock feed additives

19. State **three** factors that would determine the amount of concentrate fed to dairy cattle

20. State **three** factors that would determine the amount of concentrate fed to dairy cattle

THE END

FOR MORE RESOURCES

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- ✓ **KCSE MOCKS**
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