



NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, Nnamdi Azikiwe Expressway, Plot 91, Cadastral Zone, Jabi, Abuja
Faculty of Agricultural Sciences
2020_2 Examination ...

Course Title: Animal Production Resources

Course Code: ANP 511

Credit Unit: 2

Total Score: 70 Marks

Time Allowed: 2 Hours

INSTRUCTION:

Answer Compulsory question 1 (25 marks) and any 3 questions (15 marks each)

Question one

- a) Briefly give the meaning of the following
 - i. Fodder (3 marks)
 - ii. Silage (4 marks)
- b) Outline five (5) importance of processing feeds (5 marks)
- c) Discuss seven (7) reasons why water is important to animals (7marks)
- d) Identify six (6) factors to consider in utilizing oilseed meals (6 marks)

Question two

- a) Highlight two (2) importance of feeds in animal nutrition (2marks)
- b) Examine five (5) differences between animal proteins and plant proteins (10 marks)
- c) Mention three (3) limitations associated with the use of fishmeal (3marks)

Question three

- a) Discuss the benefits of cereals in animal production 5 marks
- b) Evaluate the nutritional value of maize 8 marks
- c) State the meaning of Cereal grain By-products 2 marks

Question four

- a) Outline five (5) advantages of additives in feeds (5 marks)
- b) Discuss seven (7) identifying features of dry forages and roughages (7marks)
- c) Highlight three (3) roles of roughages in animal nutrition (3 marks)

Question five

- a) Mention one (1) limitation associated with the use of legumes in animal feed (1mark)
- b) Discuss seven (7) functions of legumes in animal production (7marks)
- c) Describe the Nutritional quality of cowpeas (5 marks)

d) Differentiate between Grain legumes and Forage legumes (2 marks)

Question six

a) Briefly explain four (4) hot processing methods (12 marks)

b) describe the following processing methods for roughage

i. Chopping or grinding

ii. Cubing

iii. Dried/dehydrated

(3 marks)