



NATIONAL OPEN UNIVESITY OF NIGERIA
Faculty of Agricultural Sciences
Department of Animal Science and Fisheries
2020_2 Examination

Course: ANP304: Forage and Fodder Crop Production
Credit Unit: 2
Time Allowed: 2 hours.

INSTRUCTIONS: Answer question One (Compulsory: 25 Marks) and any other THREE (15 marks each)

QUESTION 1

- i. Define grazing management system? 2 marks
- ii. List 4 examples of intensive and 2 examples of semi-intensive grazing management systems 3 marks
- iii. Differentiate the intensive and semi-intensive grazing management systems 20 marks

QUESTION 2

- i. Describe the types of fertilizers used in pasture species? 5 marks
- ii. State (10) common forage crops used in livestock feeding and their botanical names. 10 marks

QUESTION 3

Define any seven (7) of the following.

- i. Zero grazing/Cut and carry system
- ii. Continuous grazing system
- iii. Deferred grazing system
- iv. Rotational grazing
- v. Strip grazing system
- vi. Straight Creep grazing system
- vii. Forwards Creep grazing system
- viii. First and Last Suizers grazing system 15 marks

QUESTION 4

- i. Highlight eight (8) advantages of the grazing management system 8 marks
- ii. Mention seven (7) disadvantages of the grazing management system 7 marks

QUESTION 5

- i. Highlight six (6) necessary decisions the manager or farmer should take to improve livestock
- ii. Which of the forage conservation techniques would you recommend to smallholder livestock enterprises in Nigeria and why? (15marks)

QUESTION 6

- i. Highlight the benefits of hay to livestock 7 marks
- ii. Give three (3) examples of pasture species that grow erect and horizontally. 3 marks
- iii. Discuss the methods of application of fertilizers to pasture specie? 5 marks