



NATIONAL OPEN UNIVESITY OF NIGERIA
Faculty of Agricultural Sciences
Department of Animal Science and Fisheries
2020_1 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. State two (2) methods by which pasture seeds can be planted or sown.
- ii. Discuss briefly the different post-planting operations that ensures better establishment of forage yield and quality.
- iii. Highlight the differences between semi-permanent pastures and permanent pastures

25 marks

QUESTION 2

- i. Define the term grazing management system.
- ii. List 2 importance of grazing management of pastures in Nigeria
- iii. Describe 5 types of grazing management systems that are yet to be practiced by farmers in Nigeria.

15 marks

QUESTION 3

- i. State five (5) desirable characters of pastures that a farmer would consider before establishing pasture species.
- ii. Itemize five (5) different sources of nutrients that you can recommend for favorable growth and establishment of pastures of a commercial farm.
- iii. Enumerate five (5) socio-economic factors that could affect pasture productivity in Nigerian agricultural system.
- iv. Highlight the steps important for successful establishment and high quality biomass of improved pastures.

15 marks

QUESTION 4

What are the distinguishing characteristics of the following growth stages of cutting pasture species?

- i. Pre-Flowering Stage
- ii. Flowering Stage
- iii. Post-Flowering Stage

15 marks

QUESTION 5

- i State precisely the idea behind defoliation in pasture species
 - ii Discuss the effect of frequency and intensity of defoliation on pasture re-growth
- 15 marks

QUESTION 6

- i. Highlight three (3) pre-planting operations that are necessary for successful pasture establishment in Nigeria.
- 15 marks

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