



NATIONAL OPEN UNIVERSITY OF NIGERIA

Faculty of Agricultural Sciences

Department of Animal Science and Fisheries

Second Semester Examination, October/November, 2019

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 ONE

- i. Write short notes on grasses and legumes pasture plants **11 marks**
- ii. Highlight the scientific and common names of 10 most common forage crops used in livestock feeding in Nigeria **10 marks**
- iii. List the limitations of improved pastures **4 marks**

QUESTION TWO

- i. What are the advantages of Ley pastures over pastures associated with field Crops and pastures associated with tree crops. **5 marks**
- ii. State the advantages of pastures associated with tree crops. **5 marks**
- iii. Highlight the steps important for successful establishment and high quality biomass of improved pastures. **5 marks**

QUESTION THREE

Write short notes on the following:

- i. Temporary Pastures **7 marks**
- ii. Semi-Permanent Pastures **8 marks**

QUESTION FOUR

- i. Define the concept of defoliation **2 marks**
- ii. Briefly state the effect of intensity of defoliation on pasture re-growth **4 marks**
- iii. Discuss briefly the different post-planting operations that ensure better establishment of forage yield and quality? **9 Marks**

QUESTION FIVE

Describe the preservation methods in pastures **15 marks**

QUESTION SIX

1. Discuss four (4) pre-planting operations that pastoral farmer require for a successful pasture establishment in Nigeria. **11 marks**

2. Highlight four (4) steps important for successful establishment and high quality biomass of improved pastures **4 marks**