



NATIONAL OPEN UNIVERSITY OF NIGERIA
Faculty of Agricultural Sciences
Department of Animal Science and Fisheries
2023_1 POP EXAMINATION.

Course: ANP512: Pasture and Range Management
Credit Unit: 2
Time Allowed: 2 hours.

INSTRUCTIONS: Answer question One (Compulsory: 30 Marks) and any other Two (20 marks each)

QUESTION ONE

- i. Define the term “Ideal seeding”. 4 marks
- ii. State six (6) factors that must be considered when planning for a successful pasture establishment or renovation. 6 marks
- iii. Discuss aerobic, fermentation, stable and feed-out phases of silage fermentation 20 marks

QUESTION TWO

- i. Describe the falling plate method of forage yield determination 4 marks
- ii. Discuss four (4) reasons why quarantine cataloguing, and germplasm evaluation are important procedures in introduction of plants into new ecology. 16 marks

QUESTION THREE

- i. Define the term range conditions 2 marks
- ii. Classify range condition according to percentage of climax plant community present on the site. 6 marks
- iii. Discuss the fundamental principles for developing a grazing plan 12 marks

QUESTION FOUR

- i. Describe the strategies for Increasing usability of range. 4 marks
- ii. State eight (8) reasons why soyabeans (Glycine max) are considered globally to be the most important feed grain legume. 8 marks
- iii. Describe main characteristic of Sudan savanna ecological zone 8 marks