



NATIONAL OPEN UNIVESITY OF NIGERIA
Faculty of Agricultural Sciences
Department of Animal Science and Fisheries
POP Examination, 2021_ 2 7826

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. What are controls of pasture weeds measures available to farmers? 2 marks
- ii. State the adverse effect of pasture weeds on large portion of land in the pasture. 3 marks
- iii. Highlight five (5) constructive pasture management programs in Nigeria 5marks
- iv. What are the distinctive characteristics between temporary pastures semi-permanent pastures? 15 marks

QUESTION 2

- i. Highlight five (5) methods of application of fertilizers that are available to farmer to to ensure production of healthy pasture specie for his animal? 5 marks
- ii. Why do small and medium scale farmers prefer intensive grazing management systems than semi-intensive grazing management systems? 10 marks

QUESTION 3

State the advantages of following conservation techniques of pasture management in Nigeria

- i. Hay 5 marks
- ii. Hilage 5 marks
- iii. Stacked hay forage 5 marks

QUESTION 4

- i. Advantages of Grazing Management Systems 8 marks
- ii. Disadvantages of zero, semi-intensive and intensive grazing management systems 3 marks

QUESTION 5

- i. Elucidate five (5) reasons why you will recommend hay to livestock farmer 5 marks
- ii. State scientific names of ten (10) the following forage crops used in livestock feeding 10 marks

Maize plant	Lablab	Shuchi Grass	Verano stylo
Sugar Beet	Northern Gamba Grass	Maiwa	Signal Grass
Columbus Grass	Southern Gamba Grass	Schofield stylo	Woolly Finger Grass

QUESTION 6

Write short notes of the following methods of management of pastureland

- i. Grazing 3 marks
- ii. Burning 3 marks
- iii. Slashing with cutlasses or mower 3 marks
- iv. Division into paddocks 3 marks
- v. Sod seeding 3 marks