



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**Faculty of Agricultural Sciences**  
**Department of Animal Science and Fisheries**  
**POP Examination, 2021\_** 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. Enumerate six (6) the distinctive characteristics that differentiate semi-permanent pastures and permanent pastures 18 marks
- ii. As an Agricultural expert, what post-planting operations would you advice a farmer in your area to ensures he has better establishment of his forage yield and of excellent quality 7 Marks

**QUESTION 2**

- i. As an advocate ensure peaceful co-existence of farmers and herd men, highlight five (5) modern grazing management systems that should be introduced to Nigeria. 10marks
- ii. Itemize five (5) socio-economic elements that could influence productivity of pasture in agricultural system. 5 marks

**QUESTION 3**

- i. What are the differentiating characteristics would a farmer observed during pre-flowering and post-flowering growth stages of pasture species. 10 marks
- ii. State the scientific names of the following common pasture weeds in Nigeria.
  1. Waterleaf
  2. Lily
  3. Graden egg
  4. Nut Grass
  5. Pumpkin 5 marks

#### QUESTION 4

- i. Highlight the significance of pasture production that ensure environmental sustainability and the development of livestock. 4 marks
- ii. Write short notes of the following pre-planting operations that are necessary for successful pasture establishment
  1. Site selection 3 marks
  2. Land clearing 3 marks
  3. Seedbed preparation 3 marks
  4. Seed treatment 3 marks

#### QUESTION 5<sup>[1]</sup><sub>[5EP]</sub>

- i. State clearly the functions the root, branches and leaves of legumes. 10 marks
- ii. What are the superiority features of Ley pastures over pastures associated with field Crops and pastures associated with tree crops. 5 marks

#### QUESTION 6

- i. Why has the native pastures and improved pastures establishment in Nigeria suffered major setbacks? 7 marks
- ii. Enumerate eight (8) morphological structure of grasses plants 8 marks