



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**FACULTY OF AGRICULTURAL SCIENCES**  
**DEPARTMENT OF ANIMAL MSCIENCE AND FISHERIES**  
**2025\_2 EXAMINATIONS**

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**Course Code:** ANP 304  
**Course Title:** Forage and Fodder Crop Production  
**Credit Unit:** 2  
**Total Score:** 70 Marks  
**Time Allowed:** 2 Hours

**INSTRUCTION:** Answer question ONE (30 marks) and any other two questions (20 marks each).

1. a) State clearly three functions of the root of legumes. 3 marks  
b) Distinguish between semi-permanent pastures and permanent pastures. 10 marks  
c) Discuss the post-planting operations that are necessary pasture establishment. 10 marks  
d) Write briefly on semi-intensive grazing management system. 7 marks
2. a) Itemize six socio-economic elements that could influence productivity of pasture in agricultural system. 6 marks  
b) What are the differentiating characteristics would a farmer observed during pre-flowering and post-flowering growth stages of pasture species. 8 marks  
c) State the scientific names of the following common pasture weeds in Nigeria;
  - i. Garden egg
  - ii. Lily
  - iii. Nut Grass 2 marks each = 6 marks
- 3 a) Highlight eight advantages of pasture in Nigerian Agriculture. 8 marks  
b) Briefly discuss the following pre-planting operations for pasture establishment;
  - i. Site selection
  - ii. Land clearing
  - iii. Seedbed preparation
  - iv. Seed treatment 3 marks each = 12 marks
- 4 a) Discuss the effect of intensity on defoliation of pasture re-growth. 5 marks  
b) Highlight five modern grazing systems that should be introduced to Nigeria. 5 marks  
c) State disadvantages of grazing management systems in Nigeria. 10 marks