NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, Nnamdi Azikiwe Expressway, Plot 91, Cadastral Zone, Jabi, Abuja
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF ANIMAL SCIENCE AND FISHERIES
2020_2 EXAMINATION

COURSE CODE: ANP 512
COURSE TITLE: PASTURE AND RANGE MANAGEMENT
CREDIT UNIT: 2 CU
TOTAL SCORE: 70 MARKS
TIME ALLOWED: 2 Hours
INSTRUCTIONS: ANSWER QUESTION 1 (25 MARKS) AND ANY OTHER THREE (15 MARKS EACH)

Q1 a Distinguish between Rangeland and Range management. **5marks**
b Explain the following grain legumes:
i Cowpea **10marks**
ii Soybean **10marks**

Q2 Discuss the following vegetative zones in Nigeria:
i Rainforest **7½ marks**
Ii Guinea savannah **7½ marks**

Q3 Explain the following under the procedure of plant introduction:
i Quarantine
ii Germplasm evaluation
iii Multiplication and distribution
15 marks

Q4 How does conventional tillage, No-till seedbed and specie selection aids in successful pasture establishment or renovation? **15 marks**

Q5 Explain the concept of pasture utilization **15 marks**

Q6 Briefly explain “cut and carry” and the “falling plate” methods of forage yield determination. **15 marks**