



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF ANIMAL SCIENCE AND FISHERIES

POP EXAMINATION 2021

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 one (Compulsory: 30 Marks) and any other TWO (20marks each)

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| Q1 | a | What do you understand by the term Rangeland and Range management | |
| | | 5 marks | |
| | b | Discuss the characteristics and nutritional value of the following legumes | |
| | i | Cowpea | 9 marks |
| | ii | Soybean | 7 marks |
| | iii. | Pressed bag | 9 marks |
| Q2 | | Describe the features of the following vegetative zones in Nigeria: | |
| | i | Rainforest | 10 marks |
| | ii | Guinea savannah | 10 marks |
| Q3 | i. | How do conventional tillage, No-till seedbed and specie selection aids in successful pasture establishment or renovation? | 16 marks |
| | ii. | Explain the quarantine procedure of plant introduction | 4 marks |
| Q4 | i. | Explain the concept of pasture utilization | 6 marks |
| | ii. | Briefly explain “cut and carry” and the “falling plate” methods of forage yield determination | 10 marks |
| | iii. | State in your words the germplasm evaluation procedure of plant introduction | 4 marks |