



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

Course Title: Feed Formulation

Course Code: ANP 508

Credit Unit: 2

Total Score: 70 Marks

Time Allowed: 2 Hours

INSTRUCTION:

Answer Compulsory question 1 (30 marks) and any 2 questions (20 marks each)

- 1a) As a farm manager what will you say are the drawbacks associated with the use of compounded feeds? Explain any five (5) of such drawbacks. (15 marks)
- b) What benefits will a farmer derive in using high moisture corn as a feed ingredient (5 marks)
- c) As a feed miller what five (5) information be on a commercial feed label (5 marks)
- d) Briefly explain nature of losses due to insect attack on feed ingredients (5 marks)

- 2a) As a feed mill manager what checklist will you use for quality control of the feed (12 marks)
- b) Classify the raw materials that is often used in industrial feed production with relevant examples (8 marks)

- 3a) Explain to an industrial attachment student in your livestock farm the nutritional attributes of roughages. (11 marks)
- b) As a farmer some feed ingredients you stored started to deteriorate. What are some of the factors that enhance this deteriorative process? (9 marks)

- 4a) Why do feed millers use hot processing? Discuss two (2) types of hot processing methods (8 marks)
- b) Your client as a feed consultant complained that at certain times of the year there is shortage of feed and feed ingredients. Explain to your client the likely causes of this shortage. (12marks)