



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
*University Village, Nnamdi Azikiwe Expressway, Plot 91, Cadastral Zone, Jabi, Abuja*  
**Faculty of Agricultural Sciences**  
*POP Questions 2021\_1*

**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)**

Question one

- a) A farmer wants to maximize the use of roughages in feeding his animals, highlight the nutritional characteristics of roughages he should look out for. (11 marks)
- b) Identify five (5) ways to prevent or reduce damage to feed and ingredients (10 marks)
- c) Discuss three (3) factors affecting insect infestation of feedstuffs (9 marks)

Question two

- a) Discuss the Laboratory Chemical Analysis method of feed evaluation (10 marks)
- b) How would you convince a livestock farmer on the advantages of compounded feed (10 marks)

Question three

- a) You are the manager of a feed mill; discuss the checklist you will employ for quality control of the feed (12 marks)
- b) Outline three (3) legislation guiding feed labeling and composition (3 marks)
- c) Outline five (5) animal feed storage guidelines (5 marks)

Question four

- a) Examine five (5) different types of milling machines commonly used in Nigeria. (15 marks)
- b) Explain digestibility in feed evaluation (5 marks)