



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE
AND TECHNOLOGY
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN AGRIBUSINESS MANAGEMENT
THIRD YEAR SECOND SEMESTER 2017/2018 ACADEMIC YEAR
CENTRE: MAIN CAMPUS**

COURSE CODE: AAS 3321

COURSE TITLE: RUMINANT AND NON RUMINANT PRODUCTION

EXAM VENUE:

STREAM:

DATE:

EXAM SESSION:

TIME: 2 HOURS

Instructions:

- 1. Answer ALL questions in section A and ANY other 2 Questions in section B**
- 2. Candidates are advised not to write on question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A (30 Marks)

Answer All Questions in this Section

1. a. Give two demerit of the Fleckvieh breed of cattle **(2 marks)**
 - b. Outline the pros and cons of rearing rabbits. **(4 Marks)**
 - c. Outline two (2) trace minerals and effects of their deficiency. **(2 Marks)**

2. a. Alternative feeding help reduce pig costs; some fodder crops can replace half a ration of compound feeds. List **six (6)** fodder crops. **(3 marks)**
 - b. Briefly describe what should be done to improve quality of silage **(5marks)**
 - c. State the daily crude protein (CP) requirements for dairy cattle **(2 Marks)**

3. a. Define flushing in relation to sheep production and explain its importance. **(3 marks)**
 - b. Outline brooder management for day old chicks. **(4 marks)**
 - c. Highlight five constrains to beef production. **(5 marks)**

SECTION B (40 Marks)

Answer any Two questions from this section

4. You are in charge in piggery farm, describe how you will select a boar and manage it. **(10 marks)**
 - b. Discuss the importance of sheep and goats in the economies of developing countries. **(10 Marks)**

5. Ketosis and bloat are common metabolic disorders resulting from nutritional problem in dairy herd. Discuss the two. **(10 Marks)**
 - b. A non-governmental organization is interested in developing farmers through poultry production. What advice would you offer them to make the project a success? **(10 Marks)**

6. Concisely discuss the following management practices in goat and sheep husbandry;
 - a. Mating systems. **(5 Marks)**
 - b. Identification **(5 Marks)**
 - c. Castration **(5 Marks)**
 - d. Record keeping **(5 Marks)**