

KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

**SECOND YEAR EXAMINATION FOR THE AWARD OF THE CERTIFICATE IN
ANIMAL HEALTH AND PRODUCTION**

ANSC: 00366: DAIRY TECHNOLOGY

STREAM: Y2S2

DATE:

TIME: 2 HRS

DAY

INSTRUCTIONS

Do not write anything on this question paper

Answer ALL questions in Section A and any other TWO Questions in Section B

SECTION A (40MARKS)

1. State 10 recommended practices for machine milking (10mks)
2. Briefly discuss five important steps in clean milk production which farmer/milk handlers must consider. (10mks)
3. State any ten (10) parts of a milking machine (10mks)
4. a) define the word “milk” (2mks)
b) State 4 stimuli and 4 conditional stimuli which facilitates milk letdown (milk ejection) (8mks)

SECTION B 30 MARKS

5. a) What is pasteurization of milk (5mks)
b) Briefly discuss 3 methods for testing for proper pasteurization of milk (6mks)
c) State 2 methods for testing for proper pasteurization of milk (4mks)
6. Briefly discuss non-infectious causes of disease in milk (Residues in milk) (15mks)
7. a) Discuss the composition of normal milk (5mks)
b) Briefly discuss 5 factors that affect the gross composition of milk (10mks)
8. a) Discuss 2 methods of milk sterilization (6mks)
b) Discuss the aims for dry milk production (3mks)
c) Briefly explain 2 methods of producing dry milk (6mks)