

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

THIRD YEAR EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF SCIENCE IN ANIMAL HEALTH AND PRODUCTION

ANSC 351: DAIRY PRODUCTION

STREAMS: ANSC Y3S2

TIME: 2 HOURS

DAY/DATE: FRIDAY 13/04/2018

2.30 P.M - 4.30 P.M.

INSTRUCTIONS:

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

SECTION A: Answer ALL Questions [30 Marks]

1. (a) Define the following: Milk persistency; longevity. [2 Marks]
(b) State the disadvantages of dairy farming. [4 Marks]
(c) Differentiate between digestible, metabolizable and net energy in cattle. [6 Marks]
(d) Which are the management practices for ensuring a healthy herd. [5 Marks]
(e) List the factors that influence the choice of a dairy production system. [5 Marks]
(f) Name the general characteristics of a dairy cow. [4 Marks]
(g) What factors lead to oestrus problems in the tropics? [4 Marks]

SECTION B: Answer any TWO Questions [40 Marks]

2. Discuss the role of milk in human nutrition. [20 Marks]
 3. Discuss the use of selection and culling as breeding tools for dairy cattle. [20 Marks]
 4. Explain energy metabolism in dairy cattle. [20 Marks]
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