



KENYATTA UNIVERSITY

EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN ANIMAL HEALTH AND PROMOTION

KAS 313: DAIRY PRODUCTION

2ND SEMESTER 2020/2021

TIME: 2 Hours

INSTRUCTIONS:

Answer ALL questions in Section A and any TWO questions in Section B.

1. Outline five challenges that characterize the milk marketing system in Kenya. (5 marks)
2. Highlight three advantages and two disadvantages of the Jersey dairy breed. (5 marks)
3. Explain the term 'steaming up' and state its aims in dairy farming. (5 marks)
4. Giving reasons, describe the method of constituting artificial colostrum for a dairy calf. (5 marks)
5. Outline Five key steps in preparation of flavoured yoghurt. (5 marks)
6. Briefly describe two fodder legumes commonly used for dairy feeding and show their merits and demerits. (5 marks)
7. Highlight Five general housing requirements for dairy cattle. (5 marks)
8. Briefly describe the practice and significance of pasteurization in milk processing. (5 marks)

SECTION B: Answer any TWO questions from this Section.

9. In dairy cattle production, discuss the factors affecting milk yield during lactation period. (15 marks)
10. (a) Highlight the importance of good dairy calf management. (3 marks)
(b) Describe the key calf management practices from birth to weaning. (12 marks)
11. Discuss six operational factors considered in planning the layout of the dairy unit. (15 marks)