



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2020/2021

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE (ANIMAL HEALTH AND PRODUCTION)

KAS 403: PIG PRODUCTION

DATE: Wednesday, 19th May 2021

TIME: 8.00 a.m. - 10.00 a.m.

INSTRUCTIONS:

SECTION A: Answer all questions in this section

1. Highlight five advantages of the Duroc pig breed. (5 marks)
2. Outline five benefits of using artificial insemination (AI) in commercial pig production. (5 marks)
3. State five characteristics of creep feed. (5 marks)
4. Highlight five reasons for culling sows. (5 marks)
5. Highlight five factors associated with high incidence of still births in pig production. (5 marks)
6. Explain the importance of castration for male piglets in pig farming. (5 marks)
7. Briefly describe the essential features of a farrowing house design. (5 marks)
8. Highlight five management strategies to facilitate quick return of sows to oestrus. (5 marks)

SECTION B: Answer any two questions from this section

9. (a) Outline the main causes of mortality of young piglets from birth to one month of age. (5 marks)
(b) Highlight the ways to address the causes of mortality stated in a) above. (10 marks)
10. (a) In commercial pig production, state the various diets fed to pigs and indicate the stages of production when they are fed. (6 marks)
(b) For each of the diets in (a) above, outline the nutritional attributes and show how they relate to pig physiology at the respective stage. (9 marks)
11. (a) Describe the criteria used in evaluation of carcass quality in pigs. (9 marks)
(b) Highlight three characteristics used as a measure of quality for pig meat. (6 marks)