



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2020/2021
FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE (ANIMAL HEALTH AND PRODUCTION)
KAS 101: BASIC BOTANY AND ZOOLOGY

DATE: Friday, 12th March 2021

TIME: 8.00a.m-10.00a.m

INSTRUCTIONS

Answer ALL questions from Section A and ANY TWO questions from Section B. Within a section questions carry equal marks. Illustrate your answer with diagrams and give examples where appropriate.

SECTION A: Answer ALL questions (40 marks)

1. Distinguish between the kingdoms Fungi and Eubacteria.
2. The success of bony fishes can be attributed to some key evolutionary innovations. Justify the statement.
3. Compare and contrast plant and animal cells.
4. Outline five distinguishing features of the Pteridophytes.
5. State five adaptations of trematodes to parasitic lifestyle.
6. Explain the significance of classification of plants and animals.
7. Mr. Maarifa keeps a large herd of beef cows in his ranch. However, the cows have to be regularly treated from a disease that is transmitted by insects. Explain to him the adaptations that enable the insects to survive and transmit diseases.
8. The cryptogams are lower plants that are quite successful in their habitats. Justify the statement.