



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2019/2020

SUPPLEMENTARY/SPECIAL EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE (ANIMAL HEALTH AND PRODUCTION)

KAS 101: BASIC BOTANY AND ZOOLOGY

DATE: TUESDAY 12TH JANUARY 2021

TIME: 8.00 A.M. - 10.00 A.M.

INSTRUCTIONS:

Answer ALL question in Section A and any TWO questions in Section B. Within a section, all questions carry equal marks. Illustrate your answer with diagram and give examples where appropriate.

SECTION A (40 marks)

1. State five characteristic features of the amoebas.
2. Describe the structure of angiosperm xylem.
3. Explain five adaptations of trematodes to parasitic lifestyle.
4. Distinguish between bony and cartilaginous fish.
5. Explain the evolutionary relationship between birds and reptiles.
6. State of distinguishing characteristics of each of the kingdoms of life.
7. Explain the rules of the International Code of Nomenclature of plants, algae and fungi.
8. State five characteristics of Bryophyta

SECTION B (30 marks)

9. Discuss the adaptations of mammals to their habitats (15 marks)
10. Discuss the factors contributing to success of arthropods (15 marks)
11. Describe the ultrastructure and functions of a typical plant cell (15 marks)