



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018

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

KAS 101: BASIC BOTANY AND ZOOLOGY

DATE: TUESDAY 25TH SEPTEMBER 2018

TIME: 4.30 P.M. - 6.30 P.M.

INSTRUCTIONS: Answer ALL questions in Section A and any TWO questions in Section B. Within a section, all questions carry equal marks. Illustrate your answers with diagrams and give examples where appropriate.

SECTION A: Answer ALL questions (40 marks)

1. State five characteristics features of *Amoeba proteus*.
2. Explain five adaptive features of nematodes.
3. Outline five differences between Mollusca and Annelida.
4. Most amphibians are successful due to some morphological adaptations. Justify the statement.
5. (i) Name the five (5) kingdoms into which all living organisms belong.
(ii) Briefly describe the members of each kingdom.
6. Explain the principles of International Code of Nomenclature.
7. Using illustrations, differentiate between the various flower part insertions.
8. Describe the various stages in mitosis.

SECTION B: - Answer any TWO questions. (30 marks)

9. Classify the extant jawed fish, stating the characteristic features of each class. (15 marks)
10. Discuss the adaptations of reptiles to terrestrial habitats. (15 marks)
11. Plants have different types of fruits. Discuss. (15 marks)
