



KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR (SUPPLEMENTARY/SPECIAL EXAM)

SECOND YEAR SECOND SEMESTER EXAMINATIONS

FOR THE DEGREE
OF
BACHELOR OF SCIENCE IN AGRICULTURAL TECHNOLOGY AND BACHELOR OF
SCIENCE (B. SC BIOLOGY)

COURSE CODE: SZL 124

COURSE TITLE: BASICS OF ZOOLOGY

DATE: 19-10-2018

TIME: 11:00 - 1:00 P.M

INSTRUCTIONS TO CANDIDATES

Answer all questions in section A
Answer any TWO questions in section B

TIME: 2 Hours

KIBU observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over. ►

Question 1 (Compulsory) 30 marks

- a) Describe any THREE locomotion mechanisms evident in phylum protozoa (3 marks)
 - b) Describe any disadvantages of multicellular mode of life (3 marks)
 - c) Provide reasons why animal welfare is important (3 marks).
 - d) Briefly make notes on prokaryotic cells (3marks).
 - e) State any 3 reasons why prions, viruses and virioids are not considered as living organisms (3 marks)
 - f) Describe any THREE advantages of radial symmetry to animals (3 marks)
 - g) Describe any three visual cues utilized by animals to indicate readiness for mating (3 marks)
 - h) Explain any THREE advantages of asexual reproduction in animals (3 marks)
 - i) Describe any THREE biotic factors affecting animal distribution (3marks)
 - j) Explain any THREE distinguishing features between prokaryotic and eukaryotic cell (3 marks)
2. Evolution is believed to be an ongoing process in nature. Discuss the above statement based on emerging scientific evidence (20 marks)
 3. Discuss the steps in the development of an embryo until a baby is formed in humans (20 marks)
 4. Animals exhibit a variety of reproductive strategies based on their ecology. Discuss (20 marks)
 5. Discuss various levels of organization evident in animals (20 marks)