



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2020/2021 ACADEMIC YEAR

THIRD YEAR SECOND SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF EDUCATION SCIENCES

COURSE CODE: SBT 321

COURSE TITLE: ANIMAL PHYSIOLOGY

DATE: 21ST JANUARY 2022 TIME: 8.00 – 10.00 AM

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over

KIBU observes ZERO tolerance to examination cheating

1. a) Differentiate between Osmotrophic and Coprophagous with suitable examples. (5 Marks)
- b) State the organs of Respiration in the following animal Kingdoms: Protozoa, Coelentrata, Helminthes, Urochordata and Arthropoda. (5 Marks)
- c) Provide the structural and function differences of the following sections of the epididymis caput epididymis and Cauda Epididymus (5 Marks)
- d) With examples, differentiate between Amines and Steroid with regards to chemical classification of hormones. (5 Marks)
- e) Describe t any two Properties of skeletal muscle fibers (5 Marks)
- f) Describe the two ttypes of neurotransmitters (5 Marks)
2. a) Describe the common disorders of the stomach and intestines. (10 Marks)
- b) Describe the different layers of the Gastrointestinal Tract (GIT). (10 Marks)
3. Give a detailed description of the Important Nitrogenous wastes. (20 Marks)
4. Describe in details key aspects of Lipid metabolism (20 Marks)
5. a) Hamburger's Phenomenon (Chloride shift). (10 Marks)
- b) Describe the different values that make up a spirogram (10 Marks)