

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF APPLIED SCIENCES

BACHELOR OF SCIENCE HONOURS DEGREE EXAMINATIONS

DEPARTMENT OF APPLIED BIOLOGY AND BIOCHEMISTRY

THEORY: ANIMAL PHYSIOLOGY SBB 1206

JANUARY 2004

2 HOURS (100 marks)

INSTRUCTIONS

Answer Four (4) Questions. Each question carries 25 marks. Where a question contains subdivisions, the mark value for each subdivision is given in brackets. Illustrate your answer where appropriate with large, clearly labelled diagrams.

1. What physiological role is played by the liver in the body of an animal?
2. Elaborate on the ornithine cycle.
3. Discuss on muscle contraction.
4. Chemical digestion is an important aspect in the life of an animal. Justify this statement.
5. In the absence of the thyroid gland what could happen to the individual.
6. Elaborate on transmission of nerve impulses.

END OF EXAMINATION