

BINDURA UNIVERSITY OF SCIENCE EDUCATION  
SCIENCE & MATHEMATICS EDUCATION DEPARTMENT  
DIPLOMA IN SCIENCE EDUCATION-SCIENCES (DipScEdSc)  
ANIMAL SCIENCE (DB002) (5) EXAMINATION

DURATION: 2 HOURS

100 MARKS

NOV 2024

**INSTRUCTIONS TO CANDIDATES**

Answer FOUR questions. You MUST answer QUESTION 1 (Section A) and any THREE questions from section B. Each question carries 25 MARKS. Where a question contains sub-divisions, the mark value of each sub-division is given in brackets. Illustrate your answer where appropriate with large clearly labelled diagrams. You should not spend more than thirty minutes on each question.

**SECTION A (COMPULSORY)**

1. (a) Outline the functions of the following parts of the human digestive system:
  - (i) Mouth (6 marks)
  - (ii) Oesophagus (7 marks)
- (b) Describe the characteristics of any **two** classes in Phylum Vertebrata. (12 marks)

**SECTION B**

2. Outline the main features of the endocrine system.
3. Describe the structure and function of the following parts of the nervous system:
  - (i) Neurons (15 marks)
  - (ii) The synapse (10 marks)
4. Outline the structure and function of the male reproductive system.
5. Outline structure and functions of the placenta during pregnancy.
6. Describe the structure and function of the alveolus.

END OF EXAMINATION QUESTION PAPER