

BINDURA UNIVERSITY OF SCIENCE EDUCATION  
SCIENCE & MATHEMATICS EDUCATION DEPARTMENT  
DIPLOMA IN SCIENCE EDUCATION-SCIENCES (DipScEdSc)  
ANIMAL SCIENCE (DB002) (6) EXAMINATION

DURATION: 2 HOURS

100 MARKS

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.

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SECTION A (COMPULSORY)

1. Draw labeled diagrams to show the structure of:
- (a) An artery. (5 marks)
  - (b) A vein. (5 marks)
  - (c) Explain how each of the blood vessels above is related to its function. (15 marks)

SECTION B

2. (a) Draw a labeled diagram of the female reproductive system. (10 marks)  
(b) Outline the functions of the female reproductive system. (15 marks)
3. Describe the characteristics of any **three** classes in Phylum Vertebrata.
4. Describe the structure and function of the kidney in the urinary system.
5. (a) Draw a labelled diagram of the respiratory system. (10 marks)  
(b) Outline the functions of the respiratory system. (15 marks)
6. Describe the digestion of food in the following parts of the digestive system:
- (i) Small intestines. (15 marks)
  - (ii) Large intestine. (10 marks)

END OF EXAMINATION QUESTION PAPER