

**BINDURA UNIVERSITY OF SCIENCE EDUCATION**  
**BIOLOGICAL SCIENCES DEPARTMENT**  
**BScBZH**

**INTRODUCTORY ENTOMOLOGY (BZH220)**

**EXAMINATION**  
**2 HOURS (100 MARKS)**

**JUN 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. Describe methods of collecting and preserving insects.

**SECTION B**

2. Using suitable examples, discuss the economic importance of insects.
3. Using specific examples, describe leg modifications in insects.
4. Relate the modifications of insect mouthparts to their function.
5. Describe the following insect control methods, stating the advantages and disadvantages of each method.
  - (a) Biological control. (8 marks)
  - (b) Cultural control. (8 marks)
  - (c) Chemical control. (9 marks)
6. Outline adaptations that have enabled insects to colonize terrestrial habitats.

**END OF EXAMINATION QUESTION PAPER**