

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

Department of Crop Science
Bachelor of Agricultural Science (Honors) Part II Examination
Insect Pest Management (AGC 407)

3 HOURS (100 Marks)

INSTRUCTIONS

Answer any **FOUR** questions. Each question carries **25 marks**.

1. Discuss the use of predators and parasitoids in pest management giving examples from Zimbabwe [25 marks]
2. Examine the effectiveness of the following methods of pest management
 - a) Legislative pest management [12 marks]
 - b) Cultural pest management [13 marks]
3. Discuss the mode of action of the following pesticides
 - a) Organophosphates [13 marks]
 - b) Neonicotinoids [12 marks]
4. Discuss host plant resistance under the following headings
 - a) Antibiosis [6 marks]
 - b) Tolerance [6 marks]
 - c) Apparent resistance [6 marks]
 - d) Antixenosis [7 marks]
5. Describe the physical methods of pest management and their feasibility for use in developing countries [25 marks]
6. Discuss integrated pest management in cotton in Zimbabwe. [25 marks]

END OF PAPER