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**School of Biological and Life sciences****Bachelor of Science Honours in Zoology  
Semester End Examination - Nov 2023****Duration : 180 Minutes  
Max Marks : 100****Sem V - C2UD503B - Agricultural and Medical Entomology**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Identify the pests of fruits & vegetables K1 (2)
- 2) Relate the role of chemical insecticides to the toxicity K2 (4)
- 3) Describe the role of pest surveillance to control pest population K2 (6)
- 4) What do you mean by Polyphagous insect pests, give example K3 (9)
- 5) Identify and explain the key factors that contribute to the emergence of pest populations K3 (9)
- 6) Distinguish between the merits and demerits of bio-pesticides K5 (10)
- 7) Provide a detailed overview of how Sterile Insect Techniques (SIT) can be applied to control a specific agricultural pest K4 (12)
- 8) Assess how factors such as crop value, pest damage potential, and cost of control methods are used to calculate the Economic Injury Level, and why this concept is important for optimizing pest management strategies. K5 (15)
- 9) Assess the key principles of Integrated Pest Management (IPM) and discuss its contribution in pest control K5 (15)
- 10) Construct all mechanical, physical, and cultural strategies for integrated pest management K6 (18)