



Progressive Education Society's
Modern College of Arts, Science & Commerce Ganeshkhind, Pune – 16
(Autonomous)
End Semester Examination: MAR / APR 2025
Faculty: Science and Technology

Program: BScGen03
Program (Specific): Zoology
Class: T.Y. B.Sc
Name of the Course: Pest Management
Course Code: 24-ZO-364
Paper: IV

Semester: VI

SET: A
Course Type: DSEC
Max.Marks: 35
Time: 2Hr

Instructions to the candidate:

- 1) *There are 5 sections in the question paper. Write each section on separate page.*
- 2) *All Sections are compulsory.*
- 3) *Figures to the right indicate full marks.*
- 4) *Draw a well labelled diagram wherever necessary.*

Q1) Define or Explain

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- a) Define pest.
- b) Define quarantine.
- c) Define tillage.
- d) Explain biological control.
- e) Define entomopathogens.

Q2) Very short answer questions (Attempt any 4/6)

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- a) Explain weed with a suitable example.
- b) Define somaclonal variability.
- c) Define insecticide.
- d) What is maximum permissible limit?
- e) Name any two insecticide residue.
- f) Explain the role of parasitoids in controlling insect pests.

Q3) Short answer questions (Attempt any 4/6)

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- a) Describe the types of pest based on the feeding habits.
- b) Comment on insecticide formulations.
- c) Explain the advantages of integrated pest management.
- d) Describe the use of fungi in pest management.



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- e) Explain any one technique to detect insecticide residue in plant products.
- f) Enumerate the qualities of bio-control agent.

Q4) Short answer questions (Attempt any 4/6)

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- a) Explain the concept of genetic engineering.
- b) Describe the classification of insecticides.
- c) Comment on the biological control of insects.
- d) Explain the ecological principles employed in pest management.
- e) Comment on the genetically modified plants with suitable examples.
- f) Comment on control districts.

Q5) Long answer type Questions

10

Attempt any two of the following (2/4)

- a) Explain the types of damage caused by insect pests.
- b) Describe any three methods of cultural control with suitable examples.
- c) Explain the principle and components of Integrated Pest Management.
- d) Discuss the application of biotechnology in pest management.