



Roll No.....

End Semester Examination, December 2024
B. Sc. (Hons.) Ag. – V Semester
Pests of Crops and Stored Grains and their Management
(SAAG303A)

Time: 2.5 hrs.

Max Marks: 40

Instructions:

- 1) Question No. 1 under Section-A is compulsory.
- 2) Attempt any four from Q. No. 2 to Q. No. 6 under Section-B
- 3) Attempt any one from Q. No. 7 to Q. No.9 under Section-C

Section-A (Compulsory)

1. (a) Fill in the blanks with appropriate words:

1×3=3

[CO-1] [L-2]

- (i) Bunchy top of banana is caused by
- (ii) *Trogoderma granarium* is a pest of
- (iii) Tomato leaf curl virus is transmitted by

1. (b) Write the scientific name of the following insects:

1×2=2

[CO-1] [L-1]

- (i) Internode borer of Sugarcane
- (ii) Citrus butterfly

1. (c) Give the name of plants in which following active components are present:

1×2=2

[CO-3] [L-1]

- (i) Pyrethrum
- (ii) Rotenone

1. (d) Match the pest given in Column-A with the crops in Column-B:

1×3=3

[CO-1] [L-1]

Column-A	Column-B
(i) <i>Earias vitella</i>	(a) Banana
(ii) <i>Ideoscopus clypealis</i>	(b) Okra
(iii) <i>Pentalonia nigronervosa</i>	(c) Apple

Section-B

2. Describe the damage symptom and management of given pests in sugarcane:
 - a) Top Borer
 - b) Sugarcane Pyrilla

2 × 2 =4 [CO-4] [L-3]
3. How insecticides of carbamate chemical group are applicable in managing the insect pest? 4 [CO-4]
[L-3]
4. Explain the host range, damage symptom and management practices applicable in the following:
 - a) Pumpkin beetle in cucurbits
 - b) Fruit and shoot borer of okra

4 [CO-1,4] [L-3]
5. Elaborate the identification characteristics of different secondary stored grain pests with the damage symptom caused by them.
4 [CO-3] [L-3]
6. Describe the damage symptom caused by pests of citrus along with their management. 4 [CO-3] [L-3]

Section-C

7. Describe the identification characteristics of insect pests of economic importance in mustard with scientific name along with the integrated management practices.
7 [CO-1,4] [L-3]
 8. How can we analyze the significance of non-chemical methods against coconut and guava pests? 7 [CO-1, 4] [L-4]
 9. How paddy is affected by the insect pests economically? 7 [CO-1, 4] [L-4]
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