



BRAINWARE UNIVERSITY

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Brainware University
398, Ramkrishnapur Road, Barasat
Kolkata, West Bengal-700125

Term End Examination 2024-2025

Programme – B.Sc.(Ag)-Hons-2022

Course Name – Pests of Crops and Stored Grain and Their Management

Course Code - CC-BAG573(T)

(Semester V)

Full Marks : 50

Time : 2:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 20=20

1. *Choose the correct alternative from the following :*

- (i) Identify the insect that causes silver shoot in paddy.
 - a) Scirpophaga incertulas
 - b) Leptocorisa ácuta
 - c) Orseolia oryzae
 - d) Nilaparvata lugens
- (ii) Identify the insect that causes flared squares in cotton.
 - a) Spodoptera litura
 - b) Helicoverpa armigera
 - c) Pectinophora gossypiella
 - d) Earias vitella
- (iii) Show the correct answer: Gummosis and crown topping in coconut is characteristic symptom of
 - a) Mites
 - b) Rhinoceros beetle
 - c) Black headed caterpillar
 - d) Red palm weevil
- (iv) Identify the pest of potato that attacks the tuber both in field and storage.
 - a) Cut worm
 - b) Potato tuber moth
 - c) Mealybug
 - d) Potato aphid
- (v) Show the correct answer: Mining and skeletonization of cabbage leaves is caused by
 - a) Diamond back moth
 - b) Leaf webber
 - c) Borer
 - d) Semi looper
- (vi) Identify the crop where Pollu beetle is a major pest.
 - a) Cardamom
 - b) Beetle vine
 - c) Black pepper
 - d) Cashew
- (vii) Show the correct answer: Trichogramma japonicum is egg parasitoid of
 - a) Yellow stem borer
 - b) Brown plant hopper
 - c) Gall midge
 - d) Leaf folder

- (viii) Identify the insect for which banding with alkathene sheet is practiced.
a) Nut weevil
b) Leaf hopper
c) Fruit fly
d) Mealybugs
- (ix) Identify the insect that is responsible for retardation in lint development in cotton.
a) American bollworm
b) Spotted bollworm
c) Pink bollworm
d) Red cotton bug
- (x) Identify the correct scientific name for jute stem girdler.
a) Apion corchori
b) Pempherulus affinis
c) Nupserha bicolor postbrunnae
d) Urentius histricellus
- (xi) Identify the insect that is a vector of tomato leaf curl virus.
a) Tuta absulata
b) Bemisia tabaci
c) Empoasca kerri
d) Aulacophora foveicollis
- (xii) Identify the egg laying site of Oryctes rhinoceros.
a) Soil
b) Manure pit
c) Tree trunk
d) Central spindle
- (xiii) Identify the pest of rice for which wider spacing and formation of alleys is followed.
a) Scirpophaga incertulas
b) Nephotettix nigropictus
c) Nilaparvata lugens
d) Orseolia oryzae
- (xiv) In pulse crops, webbing of flower inflorescence is related with
a) Blister beetle
b) Pod fly
c) Spotted pod borer
d) Pod bug
- (xv) Identify the chemical that is generally used for controlling mites.
a) Propargite
b) Chlorantraniliprole
c) Acetamiprid
d) Metaldehyde
- (xvi) Identify the fumigant used for the management of stored grain pests.
a) Methyl bromide
b) Sulfuryl fluoride (Profume)
c) Phosphine
d) All of these
- (xvii) Identify the family of red flour beetle.
a) Dermestidae
b) Cucujidae
c) Anobiidae
d) Tenebrionidae
- (xviii) Identify the vector of little leaf of brinjal.
a) Euzophera particella
b) Urentius histricellus
c) Hirschmonas phycitis
d) Empoasca kerri
- (xix) Select the correct scientific name for banana leaf and fruit scarring beetle.
a) Cosmopolites sordidus
b) Odoiporus longicollis
c) Pentalonina nigronervosa
d) Basilepta subcostata
- (xx) Identify the pest of storage which causes musty odour in grains.
a) Fungi
b) Insects
c) Mites
d) Rodents

Group-B

(Short Answer Type Questions)

2.5 x
10=25

2. Explain the nature of damage of red gram eriophyid mite. (2.5)
3. Discuss the management practice for bhindi shoot and fruit borer. (2.5)
4. Identify the nature of damage of cucurbit fruit fly. (2.5)

5. Identify the nature of damage of mango stem borer. (2.5)
6. Identify the sources of infestation in storage. (2.5)
7. Discuss the preventive measures of storage pest management. (2.5)
8. Explain the nature of damage of american bollworm. (2.5)
9. Discuss the management of diamond back moth. (2.5)
10. Explain the biology of mustard aphid. (2.5)
11. Discuss the nature of damage of pink bollworm. (2.5)

OR

Discuss the management of tobacco caterpillar. (2.5)

Group-C

(Long Answer Type Questions)

5 x 1=5

12. Discuss about the nature of damage and management of cotton leafhopper. (5)

OR

Discuss the scientific name, family, order, nature of damage and management of Tomato Fruit Borer. (5)
