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B.Sc./AGS/5th Sem/25

2025

5th Semester Examination
4-Years B.Sc. (Hons.) in Agriculture

Paper : AGS - 503

**[Pests of Crops and Stored Grain
and their Management]**

Full Marks : 50

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *five* questions : $2 \times 5 = 10$

1. What are major and minor pests?
2. Write the control measures of rice green leafhopper.
3. Which insect caused Cattle grazing symptoms in crop fields and write down order of this pest?
4. Define host range and bionomics.
5. Mention two systemic insecticides.
6. What is the "rat tail" symptoms of chili?

P.T.O.

(2)

7. Name the vectors responsible for the transmission of tomato leaf curl disease and red gram sterility mosaic disease.

8. Name two fumigants used in storage.

Group - B

Answer any *four* questions : 5×4=20

9. Discuss the damage symptoms caused by fruit flies in cucurbit crops and explain their management practices.

10. Describe wheat aphid with reference to host range and nature of damage.

11. Describe the damage symptoms caused by chilli mites and suggest suitable management practices.

12. Write down the host range and damage symptoms of pod borer in pulse crops. 2½+2½

13. Write a detailed account of mustard aphid with special reference to its biology and control measures.

14. Write down the Nature of the Damage of the following insects of field crop : 2½+2½

- (i) Maize stem borer.
- (ii) Rice gall midge



(3)



Group - C

Answer any *two* questions : 10×2=20

15. Write the damage symptoms caused by one major insect pest on each of the following plants : 2×5

(i) Rose

(ii) Marigold

(iii) Brinjal

(iv) Onion

(v) Mustard

16. What are rice weevils? Write a note on the damage, life history, preventive and remedial methods for management of rice weevil. 2+8

17. List the major insect pests of cotton with their scientific names and respective orders. Describe the damage symptoms and management practices of any two important cotton pests. 4+6

18. Classify stored grain insect pests based on their mode of feeding with suitable examples. Briefly describe the damage symptoms of any two storage insect pests — one each from the primary and secondary categories. Also, illustrate the integrated management practices for stored grain insect pests. 3+4+3