

Roll No.

Total No. of Pages : 02

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B.Sc. Hons. (Agriculture) (Sem.-5)
PESTS OF CROPS, STORED GRAINS AND
THEIR MANAGEMENT

Subject Code : BSAG-503-19

M.Code. : 90942

Date of Examination : 16-12-2022

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. Write briefly :

- Write down the nature of damage due to jassid, aphid and whitefly on cotton.
- Name aphid species reported on wheat under Punjab conditions. Also mention their damage symptoms on wheat crop.
- Differentiate primary and secondary storage pests? Name two primary storage pests having flight behaviour.
- How you will manage the sucking pests on Bt cotton under Punjab conditions?
- What are important pests of brinjal? Mention type of damage and control strategies for shoot and fruit borer on brinjal.
- Define seed deterioration. What are factors responsible for grain deterioration?
- Give its nature of damage of fruit fly in guava. Also mention its management through sex pheromone traps.
- What is the optimum range of moisture for grain storage to prevent the insect pest incidence? What happens if stored grains have high moisture level?
- Write few advantages and disadvantages of fumigants?
- Mention various sugarcane pests. What is nature of damage of early shoot borer and mite on sugarcane?

SECTION-B

2. Mention major insect pests of mango. Outline the management strategies for management of mango pests?
3. Give nature and type of damage due to rice pests. Describe the management strategies recommended by PAU, Ludhiana.
4. Describe chemical control of various stored grain insect pests and rodents by PAU, Ludhiana?
5. List various sugarcane pests. Describe the biological control of insect pests of sugarcane pests.
6. How physical and biological factors play great role in deterioration of grains?

SECTION-C

7. Discuss different storage structures in details. Why modern storage structures are more important over the indigenous practices?
8. Describe briefly the nature of damage due to major pests in chickpea and pulses and their integrated pest management strategies.
9. What type of storage losses are reported in stored grains? What are preventive and curative measures to minimize such losses?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.