

Roll No.

Total No. of Pages: 02

Total No. of Questions: 09

**B.Sc. (Agriculture) (2014 & Onwards) (Sem. – 5)**  
**INSECT PESTS OF CROPS AND STORED GRAINS**

**M Code: 74169**

**Subject Code: BSAG-505**

**Paper ID: [74169]**

**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 short notes on:
  - a) Biological control of maize borer
  - b) Wheat aphid
  - c) Biology of *Helicoverpa armigera*
  - d) Insect pests of chilli
  - e) Biology of whitefly on cotton
  - f) Insect pest complex on Okra
  - g) Diamond back moth
  - h) Management of onion thrips
  - i) Major insect pests of apple
  - j) Rose Aphid

## SECTION B

2. List the insect pests which suck the sap of citrus plants. Write the control measures of these insect pests.  
(2+3=5)
3. What are the major insect pests of pulse crops? Write the damage symptoms of these insect pests.  
(2+3=5)
4. List the insect pests of tomato with damage symptoms. Write the control measures of these insect pests.  
(3+2=5)
5. List the major insect pests of rice. What strategies should be adopted for pest management in organic rice?  
(2+3=5)
6. What are the major insect pests infesting coffee? List the strategies for management of insect pests of coffee.  
(2+3=5)

## SECTION C

7. What are the different species of bollworms attacking cotton, their typical damage symptoms and economic threshold level? Outline the strategy for integrated pest management of cotton bollworms.  
(6+4=10)
8. What are the major insect pests of cucurbitaceous vegetables, their damage symptoms and integrated management strategies for insect pests of cucurbits?  
(5+5=10)
9. Name the storage insect pests which are internal feeders, their scientific names, mode of damage and the preventive measures in managing storage pests.  
(2.5+2.5+2.5+2.5=10)