

**Total No. of Pages : 02**

**B.Sc. Agriculture (2014 & Onwards) (Sem.-7)**  
**BIOCONTROL AND INTEGRATED PEST MANAGEMENT**  
**Subject Code : BSAG-PP702**  
**M.Code : 74864**

**Max. Marks : 60**

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.**

**1. Write briefly :**

- a) Biocontrol
- b) Parasitoid
- c) Superparasitism
- d) Trichogramma
- e) Bt Toxin
- f) Economic threshold level
- g) Transgenic plant
- h) Host evasion
- i) Major gene resistance
- j) Pest monitoring

### SECTION-B

2. Define Host Plant resistance to insects.
3. Describe various mechanisms of resistance in the host plants against insects.
4. What is the scope of biocontrol agents in IPM?
5. What is the potential of Trichogramma in biological control?
6. Describe briefly the origin of the concept of IPM.

### SECTION-C

7. Explain in detail the major techniques employed in biological control programme with suitable examples?
8. Enlist different tools of IPM and discuss any five of them in detail.
9. Discuss Integrated pest management, its concept, potential, implementation and constraint in detail along with the successful examples.

**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.**