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Total No. of Questions : 09

B.Sc. (Agriculture) (Sem.-7)

BIOCONTROL AND INTEGRATED PEST MANAGEMENT

Subject Code : BSAG-PP-702

M.Code : 74864

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

Q1. Write briefly :

- a) Multiple parasitism
- b) Antibiosis
- c) Thelotoky
- d) Bioassay
- e) Inoculative augmentative releases
- f) Allelochemicals
- g) Opportunistic pathogens
- h) Granulosis Virus (GVs)
- i) Fortuitous Classical Biological Control
- j) Pest monitoring

SECTION-B

- Q2. Write the contribution of following scientists in the field of Biocontrol and IPM Paul debach (1964), R.H. Painter (1951), H.R. Harren (1995), Rachel Carson (1962)
- Q3. Discuss the push-pull IPM for management of stem borers in Maize.
- Q4. Which you will prefer, Bt sprays or Bt crops and why?
- Q5. How cultural practices could be integrated with other IPM tactics? Explain with example.
- Q6. Explain role of conservation biological control in IPM.

SECTION-C

- Q7. Discuss the various strategies/techniques for utilizing biological control agents for the management of insect pests. Illustrate your answer with suitable examples.
- Q8. What are the major constraints in IPM implementation? Discuss the techniques for effective implementation of IPM.
- Q9. Explain the mode of action of *Baculoviruses* in insects.

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.