

**Total No. of Pages : 02**

**Total No. of Questions : 09**

**B.Sc. Agriculture (2014 & Onwards) (Sem.-7)**

## BIOCONTROL AND INTEGRATED DISEASE MANAGEMENT

**Subject Code : BSAG-PP 704**

**Paper ID : [74866]**

**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/short notes on :**

- Bacillus
- Gliocladium
- AM Fungi
- Thermal and chemical treatment of seed
- Crop rotation
- Soil solarization
- Creating barriers by non-host and dead hosts
- Cross protection
- Mutation
- Chemotherapeutants

### SECTION-B

- Q2 Discuss induced resistance in detail with suitable examples.
- Q3 Write about non-conventional chemical in disease control.
- Q4 What you mean by Integrated Disease Management (IDM)? Write the objectives of IDM.
- Q5 Discuss host- plant resistance by giving suitable examples.
- Q6 Discuss different methods of screening for diseases in brief.

### SECTION-C

- Q7 Discuss the method of exclusion of pathogen in detail.
- Q8 Discuss the mechanism of action of bio-control agents in detail.
- Q9 Discuss systemic fungicides in detail.