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Total No. of Questions: 09

# B.Sc. (Agriculture) (Sem.-7) DISEASES OF FIELD CROPS & THEIR MANAGEMENT

Subject Code: BSAG-701 Paper ID: [74824]

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 down the name of causal organism and mode of perpetuation of the following:

- a) Stem rot of rice
- b) Stripe disease of barley
- c) Yellow ear rot of wheat
- d) Stem rot of gram
- e) White rust of raya
- f) Downy mildew of sunflower
- g) Grain smut of bajra
- h) Yellow mosaic of moongbean
- i) Tikka disease of groundnut
- j) Stalk rot of maize

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## **SECTION-B**

- Q2 Differentiate between kernel smut and false of rice. How you manage them?
- Q3 a) Describe annual reoccurrence of wheat rust in India
  - b) Explain with example how the seed treatment is effective and cheaper control method?
- Q4 Write causal organism, symptoms, mode of perpetuation and management of rust of lentil.
- Q5 Differentiate between root rot and wilt of cotton. How you manage cotton leaf curl?
- Q6 Describe the most distinguished symptoms of the following:
  - a) Hill Bunt of wheat
  - b) Flag smut of wheat

#### **SECTION-C**

- Q7 Describe in detail the symptoms, causal organism, disease cycle and management of Sheath blight of rice.
- Q8 Describe in detail the symptoms, causal organism, disease cycle and management of neck blast of basmati rice.
- Q9 Describe in detail the symptoms, causal organism, disease cycle and management of Karnal bunt of wheat.

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