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Total No. of Questions: 09

B.Sc. (Agriculture) (2014 & Onwards) (Sem.-7) **DISEASES OF FIELD CROPS & THEIR MANAGEMENT**

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

Max. Marks: 60 Time: 3 Hrs.

INSTRUCTIONS TO CANDIDATES:

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- SECTION-B contains FIVE questions carrying FIVE marks each and students 2. have to attempt any FOUR questions.
- SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

| Q.1 | Write causal organism and mode of perpetuation of the following diseases. | | | | | | | |
|-----|---|-----------------------------|-----|--|--|--|--|--|
| | (i) | Kernel smut of rice | | | | | | |
| | (ii) | Hill bunt of wheat | ÇO' | | | | | |
| | (iii) | Tobacco mosaic | W. | | | | | |
| | (iv) | Covered smut of barley | | | | | | |
| | (v) | Bacterial blight of bean | | | | | | |
| | (vi) | Web blight of green gram | | | | | | |
| | (vii) | Rust of mentha | | | | | | |
| | (viii) | Foot rot of basmati | | | | | | |
| | (ix) | Head rot of sunflower | | | | | | |
| | (x) | Angular leaf spot of cotton | | | | | | |

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SECTION-B

- Q.2 What do you mean by ergotism? Which disease of bajra causes ergotism in animals? Write down its casual organism, symptoms and management.
- Q.3 Describe the integrated management of
 - (i) Loose smut of wheat
 - (ii) Sheath blight of rice
- Q.4 Explain the environmental conditions necessary for the development epiphytotics of
 - (i) White rust of mustard
 - (ii) Bacterial blight of rice
- Q.5 How you manage red rot and wilt, grassy shoot and ratoon stunting of sugarcane?
- Q.6 Describe the most distinguished symptoms of the following:
 - (i) black shank of tobacco
 - (ii) Collar rot of groundnut

SECTION-C

- Q.7 Describe in detail the symptoms, causal organism, disease cycle and management of cotton leaf curl.
- Q.8 Describe in detail the symptoms, causal organism, disease cycle and management of blast of rice.
- Q.9 Describe in detail the symptoms, causal organism, disease cycle/reoccurrence and management of yellow rust of wheat.

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