

Roll No.

Total No. of Pages : 02

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]

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

Q.1 Write causal organism and mode of perpetuation of the following diseases.

- (i) Kernel smut of rice
- (ii) Hill bunt of wheat
- (iii) Tobacco mosaic
- (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

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.