

Roll No.

Total No. of Pages : 02

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B.Voc. (Agriculture) (Sem.-5)

DISEASES OF FIELD CROPS & THEIR MANAGEMENT

Subject Code : BVAG-503-18

M.Code : 93123

Date of Examination : 16-12-22

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

- 1. Write briefly :**
- a) Grain smut of sorghum
 - b) Head rot of sunflower
 - c) Powdery mildew of wheat
 - d) Stem rot of berseem
 - e) Tikka disease of groundnut
 - f) Red rot of Sugarcane
 - g) Sesamum Phyllody
 - h) Leaf curl of cotton
 - i) Black shank of tobacco
 - j) Covered smut of barley.

SECTION-B

2. Differentiate between :
 - (a) Sheath blight and Sheath rot of rice
 - (b) Alternaria leaf spot and White rust of Raya.
3. Write management of any two diseases :
 - (a) Wild fire of tobacco
 - (b) Leaf spot of turmeric
 - (c) Stripe disease of barley
4. Write causal organism, symptoms, mode of perpetuation and management of castor rust.
5. Differentiate between :
 - (a) Ratoon stunting and Grassy shoot of sugarcane
 - (b) Hill bunt and karnal bunt of wheat.
6. Write short note on :
 - (a) Khaira disease of rice
 - (b) Neck blast of rice

SECTION-C

7. Describe in detail the symptoms, causal organism, disease cycle reoccurrence and management of yellow rust of wheat.
8. Describe in detail the symptoms, causal organism, disease cycle and management of stalk rot of maize.
9.
 - (a) Describe annual reoccurrence of wheat rust in India.
 - (b) Explain with example how the seed treatment is effective and cheaper control method?
 - (c) Explain the role of alternate and collateral hosts in disease management.

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.