

Roll No.

Total No. of Pages : 02

Total No. of Questions : 18

B.Voc. (Agriculture) (Sem.-5)
DISEASES OF FIELD CROPS & THEIR MANAGEMENT

Subject Code : BVAG-503-18

M.Code : 78410

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

Write briefly :

- 1) Enlist any four disease of maize along with their casual organisms.
- 2) Write a short note on importance of karnal bunt of wheat.
- 3) Briefly write integrated management of ergot disease of pearl millet.
- 4) Briefly describe transmission and management of leaf curl disease of cotton.
- 5) Enlist four major diseases of sugarcane in Punjab.
- 6) Write down the casual organism of early and late leaf spot of groundnut and differentiate between their symptoms.
- 7) Write down the casual organism and briefly describe the symptoms of false smut of rice.
- 8) Write a short note on symptoms of head rot of sunflower.
- 9) What are the predisposing factors for Alternaria blight of mustard?
- 10) Write a short note on management of pigeon pea sterility mosaic virus.

SECTION-B

- 11) Enlist five major diseases of pulses and explain one in brief.
- 12) Write a short note on the following :
 - i. Leaf spot of castor
 - ii. Tobacco mosaic
 - iii. Turmeric leaf spot
 - iv. Stalk rot of maize
 - v. Collar rot of groundnut
- 13) Describe the symptoms and control measures of the following :
 - i. Wilt of chickpea.
 - ii. Green ear and downy mildew of bajra
- 14) Write down the symptoms of stag head disease of mustard and integrated management of Red rot of sugarcane.
- 15) Write down disease cycle of loose smut of wheat and Foot rot and bakanae of rice.

SECTION-C

- 16) Differentiate between the symptoms of brown spot and blast of rice and describe the disease cycle and integrated management of rice blast.
- 17) Differentiate between yellow, brown and black rust of wheat and explain disease cycle and role of alternate host of stem rust of wheat with the help of well labelled diagram.
- 18) Write a short note on the following :
 - i. Whip smut of sugarcane
 - ii. Banded leaf and sheath blight of maize

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.