

Hemchandracharya North Gujarat University
Community College
Advance Diploma in Agriculture and Soil Science
Semester- III
Internal Examination, October-2017
Subject Code: - AS- 303
Subject: - Plant disease and their management

Time: 2 hrs

Date: 01/11/2017

Marks: 40

Q.1 Answer any 10 MCQ questions. Each question carries 1 mark.

[10*1=10]

1. Father of modern plant pathology.....
 - a. M.K.Patel
 - b. K.C.Mehata
 - c. Anton de Barry
 - d. J.C.Luthara
2. Semi root parasite
 - a. striga
 - b. orobanche
 - c. loranthus
 - d. Cuscuta
3. Khira disease of rice is controlled by spraying
 - a. copper sulphate
 - b. manganese sulphate
 - c. Borex
 - d. Zinc sulphate
4. Puccinia causes rust on.....
 - a. Cereal
 - b. Flowers
 - c. vegetables
 - d. All above
5. GCH-7 hybrid is resistant to.....
 - a. loose smut
 - b. Ergot
 - c. Wilt
 - d. Alternaria blight
6. In Bajara Ergot Sclerotia contain....
 - a. Alfatoxin
 - b. Ergotoxin
 - c. Apitoxin
 - d. Mycotoxin
7. Soil Solarization is recommended for the management of
 - a. Nematode
 - b. Virus
 - c. Bacteria
 - d. viroids
8. Causal organism of Downy Mildew of Bajara....
 - a. Sclerospora graminicola
 - b. Claviceps fusiformis
 - c. Puccinia penniseti
 - d. Pyricularia setaria
9. The most serious smut among the smuts affecting sorghum is.....
 - a. Grain smut
 - b. Loose smut
 - c. Long smut
 - d. Head smut
10. GC-4 hybrid is resistant to.....
 - a. Wilt
 - b. Ergot
 - c. smut
 - d. Alternaria blight

[P. T. O.]

Q.2 Answer any 4 questions. Each question carries 05 marks.

[4*5=20]

1. Write different between Wilt and Root rot
2. Write Causal organism, symptoms and disease cycle of Alternaria blight of cumin
3. Enlist the major disease of Wheat with Causal organism.
4. Write different between Systemic and Non- Systemic fungicides.
5. Write Causal organism, Symptoms and disease cycle of Wilt of Castor.

Q.3 Answer any one. Each question carries 10 marks.

[1*10=10]

1. Enlist the Principles of plant disease management and Explain Avoidance of plant disease.
2. Enlist Any Five Insect Vector transmission of plant disease.

[P. T. O.]