

Hemchandracharya North Gujarat University
Advance Diploma in Agriculture and Soil Science
Semester III End Examination December 2016
AS 303 Plant disease and their management

Time: - 2 hrs

Date :- 21/12 /2016

Marks : - 40

Q – 1. Select the appropriate answer from following.

1*10= 10

1. Alternate host for black stem rust of wheat is
a) Wheat b) Barbery c) Brinjal d) Okra
2. Complete stem parasite
a) Striga b) Orobanche c) Loranthus d) Cuscuta
3. Mottle leaf disease of citrus is caused by deficiency of
a) Copper b) Manganese c) Boron d) Zinc
4. Phyllody disease of seasamum is caused by
a) Nematode b) Virus c) Phytoplasma d) Fungi
5. The black charcoal like sooty powder produced indisease of bajara
a) Rust b) Smut c) Ergot d) rot
6. Who first discovered Bordeaux mixture?
a) P.M. Millardet b) J.F.Dastur c) M.K.Patel d) A.De bary
7. GC – 4 variety of cumin is resistant to
a) Loose smut b) Ergot c) Wilt d) blight
8. In groundnuttoxin is produced during disease condition
a) Aflatoxin b) Ergotoxin c) Apitoxin d) Mycotoxin
9. Rabbing is a recommended practice for the management of
a) Nematode b) Virus c) Protozoa d) Viroids
10. Causal organism of powdery mildew of cumin
a) *Sclerospora* b) *Erysiphe* c) *Puccinia* d) *Pyricularia*
graminicola *polygona* *penniseti* *setariae*

Q 2. Write any four questions

4*5 = 20

1. Differentiate between downy mildew and powdery mildew.
2. Write causal organism, Symptoms and disease cycle of stem rot of papaya.
3. Enlist the major diseases of groundnut with their causal organism.
4. Write short note on disease forecasting.
5. Write causal organism, Symptoms and disease cycle of wilt of cotton.
6. Enlist the principles of plant disease management and explain **Avoidance** in detail.

Q.3 Write any one questions

1*10 = 10

1. Enlist the methods of disease management and explain cultural and biological methods in details with appropriate examples.
2. Write causal organism, Symptoms, disease cycle and management of Black Stem Rust of wheat.