

Hemchandracharya North Gujarat University  
Community College  
Advance Diploma in Agriculture and Soil Sciences  
Semester End Examination - Semester III  
Subject: AS-303 (Plant disease and their management)

Time: 2 hrs

Date: 3/02/2016

Marks: 40

**Q-1. Select the appropriate answer from the following.**

**(10\*1=10)**

1. Favorable condition of loose smut is...  
a. 18 C° to 20 C°    b. 20 C° to 25 C°    c. 25 C° to 30 C°    d. 10 C° to 30 C°
2. *Alternaria alternata* is name of.....  
a. bajra disease    b. funnel disease    c. castor disease    d. All of them
3. Shape of zoospore  
a. Round    b. Triangle    c. kidney shape    d. None of them
4. Dr. Kary Mullis discovered .....  
a. Viroids    b. ELISA    c. PCR    d. Prion
5. Name the Indian scientist who worked on black stem rust of wheat  
a. M.K Patel    b. R Prasad    c. J.C. Luthra    d. K.C.Mehta
6. Father of modern plant pathology  
a. Anton de Barry    b. M.K Patel    c. J.C. Luthra    d. K.C.Mehta
7. Ergot is disease of .....crop  
a. Wheat    b. Maize    c. Bajara    d. Castor
8. GCH 7 hybrid is resistant to .....  
a. Loose smut    b. Ergot    c. Wilt    d. Alternaria blight
9. Viroids is a ....  
a. Naked RNA particles    b. Naked DNA particles  
c. Naked RNA and DNA particles    d. None of these
10. Leafcurl of tobacco is spread by.....  
a. Bacteria    b. Microbes    c. virus    d. Fungi

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

**(4\*5=20)**

1. Define/Explain the following  
a. Plant Pathology    b. Disease cycle    c. Sign    d. Susceptible  
e. Symptoms
2. Give causal organism of following disease:  
A powdery mildew    b. Ergot    c. Leafcurl of chilli    d. *Alternaria blight* of funnel  
e. Downy mildew
3. What is resistant variety? How it use for disease management?
4. Enlist disease of brinjal and chilli with symptoms.
5. What is significance of plant disease management?

**Q-3. Answer any 1 questions. Each question carries 10 marks.**

**(1\*10=10)**

1. Enlist principle of plant disease management and describe in brief.
2. Draw Disease cycle of Bajara and Cotton disease.