

Hemchandracharya North Gujarat University
Community College
Advanced Diploma in Agriculture and Soil Sciences
Semester - II, End Term Examination, June, 2015
Subject: AS 203 - Fundamentals of Plant Pathology

Time: 2 hrs

Date: /06/2015

Maximum marks: 40

Q. 1 Answer all questions. Each question carries 1 mark.

10

1. What is plant pathology?
2. Rust of wheat is caused by which pathogen?
3. What is Etiology?
4. Late Blight of Potato is caused by which pathogen?
5. What is Pathogenicity?
6. List the three (3) factors in the disease triangle that must be present for a disease infection to occur.
7. What is Mycology?
8. Give the name of plant Pathogenic organisms.
9. Khaira disease in rice is cause due to deficiency of.....
10. Father of Mycology:-
 - a.) Anton De Berry
 - b.) P. A. Micheli
 - c.) P. M. A. Millardet
 - d.) E. J. Butler

Q. 2 Answer any 4 questions. Each question carries 5 marks.

20

1. Write down the symptoms of Tikka disease in Ground nut.
2. Write down the symptoms of Red rot of Sugarcane.
3. Figure out the disease triangle for disease development.
4. Name the causal organism of early blight of potato and describe the methods of control.
5. Give the name of hosts of rust disease by *puccinia* and write down the name of different type of spore produced during disease cycle.

Q.3 Answer any 1 question. Each question carries 10 marks.

10

1. With the help of suitable diagrams, describe the early blight of potato.
2. Explain the causal organism, symptoms and control measures of white rust of Crucifer.