

**Hemchandracharya North Gujarat University, Patan**  
**Advanced diploma in Agriculture and Soil Sciences**  
**End term Examination Semester II April 2019**  
**AS 203 (Fundamentals of Plant Pathology)**

**Time: 2 hrs**

**Date: 27/04/2019**

**Maximum marks: 40**

**Q.1 Answer all questions. Each question carries 1 mark (10\*1=10 Marks)**

1. A virus particle with both nucleic acid and protein coat is known as  
A. Virion B. Viriod C. Capsid D. None of these
2. Tobacco Mosaic is caused by  
A. Virus B. Bacteria C. Algae D. Fungi
3. Root-knot disease of vegetable crops is caused by  
A. Nematode B. Fungi C. Algae D. Bacteria
4. Alternative host of rust of wheat  
A. Barberry B. Maize C. Ground nut D. Tomato
5. Mycology is the study of  
A. Bacteria B. Algae C. Virus D. Fungi
6. Viruses which are capable of infecting bacteria are called  
A. Bacteriophages B. Virusophages C. Conidia D. Nematode
7. The organisms that cause disease are called  
A. Vectors B. Pathogens C. Reservoirs D. Symptoms
8. Which of the following is the common disease in ground nut?  
A. Red rot B. Tikka disease C. Wheat rust D. Blast of rice
9. Death of tissue is known as \_\_\_\_\_  
A. Necrosis B. Phyllody C. Chlorosis D. None of these
10. Tobacco Mosaic is caused by  
A. Virus B. Bacteria C. Algae D. Fungi

**Q. 2. Answer any 4 questions. Each question carries 5 marks (5\*4=20 Marks)**  
**(SHORT QUESTIONS)**

1. Describe: Structure of viruses with diagram.
2. Write in detail: Citrus canker.
3. Write in detail: Rust of wheat.
4. Describe: The diagnosis of Plant disease.
5. Explain morphology and characters of plant parasite nematode.

**Q.3 Answer any 1 question. The question carries 10 marks. (1\*10=10 Marks)**  
**(DESCRIPTIVE QUESTIONS)**

1. Explain briefly: Symptoms of Plant disease.
2. Describe in detail: Plant parasite nematods.

A. Virus B. Bacteria C. Algae D. Fungi