

SECTION B

2. Explain the general characteristics of Plant parasitic bacteria.
3. Give briefly the role of Leeuwenhoek, Tillet, de Bary, PMA Millardet and Munkur in establishing the science of Plant Pathology.
4. Define Phytoalexins and explain their role in defence mechanisms in plants.
5. Write down brief note on Anguina, Xanthomonas and Ustilago genera.
6. Why you study the subject of Plant Pathology? Explain its importance to mankind by citing three most important examples of plant diseases?

SECTION C

7. a) Explain the significance of perpetuation of pathogens to outbreak of an epiphytotics. How pathogens perpetuate in:
 - i) Flag smut of wheat
 - ii) Sheath blight of rice
 - iii) Yellow rust of wheat
 - iv) Cotton leaf curl
 - v) Late blight of potato
- b) How dispersal affects epiphytotics. Give two examples of both disease and pathogen dispersed by wind, insects, water, seed and soil.
8. Differentiate between:
 - i) Alternaria and Stemphylium
 - ii) Pencillium and Aspergillus
 - iii) Podosphaera and Uncinula
 - iv) Trichoderma and Fusarium
 - v) Sclerotinia and Rhizoctonia
9. Give short note on:
 - i) Physical methods of disease control
 - ii) Cultural control
 - iii) Plant quarantine and inspection.