



Time: 15 mins.

Choose the correct answer from the following

$$1 \times 10 = 10$$

1. The first event of plant disease cycle is:

10. What is the main function of mycorrhizal fungi in plant growth?
- a. Nitrogen fixation
 - b. Phosphorus uptake
 - c. Water absorption
 - d. Pollination
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(Descriptive)

Time : 1 hr. 15 mins.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

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| 1. Write a short note on genetics of virulence in plant pathology. | 5 |
| 2. Write briefly some important plant diseases of NE India. | 10 |
| 3. Discuss briefly the any four changes in host physiology in plants due to attack of pathogens. | 10 |
| 4. Write short notes on mycorrhiza and its importance in crop improvement. | 10 |
| 5. Discuss the role of enzymes and toxins in plant pathogenesis. | 10 |

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