

A Question Bank

For the Forest Pathology course, Forestry department, 3rd class.

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Spring semester, 2024

Q/Define the following

Forest Pathology

IDM

Canker

Dieback

Penetration

Bacteria

Obligate Saprophytes

Fill the following gaps

1-The causal agent of Annosum root rot is.....

2-..... is a type of parasitic higher plant, they are attached to their host tree by a structure called the haustorium, through which they extract water and nutrients from the host plant.

3-are eukaryotic and heterotrophic organisms

4- The primary nutrient elements that plants need are, and

5- The causal agent of Leaf Blister of Oak.....

6- Symptoms are divided into three general categories.....,and

7-The causal agent of Leaf Blister of Oak is.....

8- Fungi can penetrate and invasion the plants through three main methods....., and.....

9- Water is important in disseminating pathogens in three ways:.....,.....,.....

10- Cultural control includes.....,.....,.....

Write about the following:

1-Types of cankers

2- How does Air Pollution damage the plant?

3- Nectria canker (Symptoms, Pathogen and Control methods)

4- **Tar Spots of Maple** (Symptoms and Pathogen)

5- Powdery Mildew (Symptoms, Pathogen and Control methods)

Q/ What are the impacts (Damage) of Forest Diseases?

Q/What are the Principles of Plant Disease Control?

Q/ What are the main biotic (Infectious) causal agents for plant diseases?

Q/ What are the main Abiotic (non-infectious) causal agents for plant diseases?

Q/ What are the most common and visible leaf symptoms?

Q/ How the low temperature is damaging the plant?

Q/ How do water excess or flooding and poorly drained soils damage the plants?

Q/ How Bacteria can enter or infect the plant tissue and what is the main way to infect the plant?

Q/ What are the spreading or dissemination methods of pathogens in general?

Q/ What does the term "infectious" mean?

Q/ Draw a typical disease cycle of a hardwood leaf disease.

Q/ What are the three stages of damping off?

Q/What is the difference between the following terms:

1. Symptoms and signs

2. Atrophic symptoms and Hypertrophic symptoms

Q/Write the scientific name of the pathogens that cause those diseases:-

1. Fomes root rot 2. Phytophthora root 3. Diplodia Blight of Pines 4. Cytospora Cankers 5. Nectria canker 6. Rhizosphaera needle cast 7. Pine Needle Rust 8. Leaf Blister of Oak