

- b) K. R. Kirtikar
d) B. B. Mundkur
11. Loranthus is...
a) Complete root parasite
b) Partial stem parasite
c) Partial root parasite
d) Complete stem parasite
12. Discovered 'Mycoplasma'...
a) X. S. Prusiner
b) Y. Mckinney
c) Doi and Ishii
d) T. O. Diener
13. _____ facultative parasites can pass their entire life in the soil.
a) Unspecialized
b) Specialized
c) Obligate
d) none
14. Kresoxin methyl fungicide comes under group _____ of fungicide
a) Benzimidazoles
b) Acylalanines
c) Pyrimidines
d) Strobilurins
15. Little leaf disease of brinjal is caused by...
a) Fungi
b) Phytoplasma
c) Bacteria
d) Nematode
16. Which one is a beneficial plant bacterium?
a) *Erwinia amylovora*
b) *Rhizobium* spp.
c) *Clostridium tetani*
d) *Xanthomonas campestris* pv. *Citri*
17. Club root of crucifers caused by
a) *Armillariella mellea*
b) *Synchytrium endobioticum*
c) *Plasmodiophora brassicae*
d) *Ophiobolous graminis*
18. Rice tungro virus transmitted by _____.
a) Aphids
b) Leaf hopper
c) whitefly
d) Jassids
19. Coffee rust disease was introduced in India from...
a) Sri Lanka
b) Europe
c) Java
d) Philippines
20. Father of biological control _____.
a) S D Garrett
b) X. S. Prusiner
c) Doi and Ishii
d) B. B. Mundkur

Q.2 Do as Directed.

A. Define the following. (Any five)

1. Disease Severity
2. Disease Incidence
3. Primary infection
4. Resistant
5. Disinfestant
6. Quarantine
7. Hyperplasia

(05)

B. Answer the following. (Any Five)

1. Name three reference books related to this course.
2. Enlist the source of survival of pathogen.
3. Enlist mechanisms of biological control.
4. Name the phanerogamic plant parasites.
5. Explain plant disease triangle with diagram.
6. Enlist the different type of plant resistances.
7. Enlist important plant pathogens.

(05)

Q.3 Write short notes. (Any five)

1. Explain process of penetration of plant pathogen in host during infection.
2. Give classification of fungicides based on methods of application.
3. Plant quarantine
4. Differentiate between Autoecious rust and Heteroecious rust,
5. Differentiate between Biotroph and Necrotroph.
6. Differentiate between Systemic fungicides and Non-systemic fungicides.

(10)

Q.4 Attempt any Three/Long Questions/Example

1. Explain in brief: survival.
2. Explain in brief: dispersal.
3. Explain in brief: Infection process.
4. General principles of plant disease management.

(15)

