

M.Sc. BOTANY
THIRD SEMESTER
MYCOLOGY AND PLANT PATHOLOGY
MSB-303F
[USE OMR FOR OBJECTIVE PART]

**SET
A**

Duration: 1.30 hrs.

Full Marks: 35

Time: 15 min.

Marks: 10

$$1 \times 10 = 10$$

Objective

Choose the correct answer from the following:

- Choose the correct answer from the following.
- Which of the following is an example of Predacious fungi?
a. *Atrhrobotrys*
b. *Albugo*
c. *Erysiphac*
d. *Phytophthora*
 - The fusion of nuclei in fungi is known as
a. Progamy
b. Microgamy
c. karyogamy
d. None of these
 - This fungi division includes 'Club fungi'?
a. Zygomycota
b. Deuteromycota
c. Basidiomycota
d. Ascomycota
 - The number of ascospores formed in *Saccharomycessp* is
a. 3
b. 4
c. 6
d. 8
 - Exclusion of plant diseases by legislation is known as
a. Disease resistance
b. Plant quarantine
c. Biological control of plant
d. Cultural control
 - Black rust of wheat is caused by
a. *Melamsporalini*
b. *Clavicepspurpurea*
c. *Pucciniagraminisriticri*
d. *Aspergillus*
 - Early blight of potato is caused by
a. *Alternariasolani*
b. *Fusariumculmorum*
c. *Penicilliumsp*
d. *Mucorsp*
 - Gametangial copulation found in
a. *Mucorsp*
b. *Albugosp*
c. *Agaricussp*
d. *Pucciniasp*
 - Coenocytic fungi are

- a. With septa
- c. Two septa

- b. One septa
- d. Without septa

10. Club rot of crucifers is most severe at pH
- a. 5.7
 - c. 6.2

- b. 5.2
- d. None of these

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[Descriptive]

Time : 1 hrs. 15 min.

Marks : 25

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

1. Write short notes on chemical control of plant diseases? 5
2. Write a note on the application of fungi in the field of biotechnology? 10
3. Write short notes on: 5+5=10
 - a. Plant Disease forecasting
 - b. Integrated disease management
4. Write short notes on: 5+5=10
 - a. Biological control of plant diseases
 - b. Environmental factors on epidemiology
5. Write short notes on: 5+5=10
 - a. Classification of fungi
 - b. Different modes of reproduction in fungi

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