

ASUTOSH COLLEGE
DEPARTMENT OF BOTANY
BOTANY HONOURS
B.Sc SEMESTER I: (CBCS UNDER CU)
CORE COURSE- 2
MYCOLOGY AND PHYTO-PATHOLOGY (BOT-A-CC-1-2-P)

PRACTICAL

TIME: 1 HOUR 30 MINS

FULL MARKS: 30

1] Answer the following questions:

5×2 = 10

a] Identify with reasons:

(2½×2 =5)

i)



ii)



b] Write the causal organisms and the symptoms of the following two diseases-

(2½×2 =5)

i) Bacterial blight of rice

ii) Loose smut of wheat

2] Draw (free hand) and label the followings-

5×2 =10

a) A mature basidiocarp of *Agaricus* sp.

b) Mycelium of *Rhizopus* sp. with sporangium

3] Answer the following questions-

2½×4 =10

a) Write the staining procedure of fungal mycelium.

b) How will you identify the teleutospore and uredospore of *Puccinia graminis*.

c) Name one instrument for sterilization and mention its principle.

d) Define subculturing. What are the requirements for subculturing technique?

*Submit the answer script to the E-mail ID asutoshbotany@gmail.com