

Total number of printed pages-3

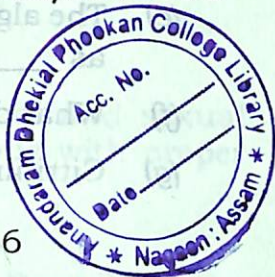
3 (Sem-2/CBCS) BOT HC 1

2024

**BOTANY**

(Honours Core)

Paper : BOT-HC-2016



**( Mycology and Phytopathology )**

Full Marks : 60

Time : Three hours

**The figures in the margin indicate full marks for the questions.**

1. Answer the following questions :  $1 \times 7 = 7$

(a) The unseptate hyphae having scattered nuclei in the cytoplasm is known as \_\_\_\_\_.

(Fill in the blank)

(b) What is called Plectenchyma ?

(c) Mature basidiocarp of Agaricus consists of two parts. They are \_\_\_\_\_ and \_\_\_\_\_.

(Fill in the blanks)

Contd.

(d) 'Early blight of potato' is caused by \_\_\_\_\_.

(Fill in the blank)

(e) The algal component of Lichen is known as \_\_\_\_\_.

(Fill in the blank)

(f) What do you mean by aspergillosis ?

(g) Citrinin is an example of \_\_\_\_\_.

(Fill in the blank)

2. Answer the following questions in brief :

2×4=8

(a) What do you mean by facultative saprotrophs ?

(b) What is plasmogamy ?

(c) What is disease triangle ?

(d) Write symptoms of 'white rust of crucifers'.

3. Write short notes on **any three** of the following questions : 5×3=15

(a) Fairy rings

(b) Homothallism in fungi

(c) General characteristics of Lichen

(d) Brachymeiosis

(e) Status of fungi in living system

4. Answer the following questions : 10×3=30

(a) Give an account of various modes of nutrition found in fungi.

**Or**

Write a note on asexual and sexual reproduction of Rhizopus with proper diagram.

(b) What is fruiting body ? Describe about different types of fruiting bodies found in fungi. 2+8=10

**Or**

What is biofertilizer ? Describe the role of fungi in agriculture.

(c) What is mycorrhiza ? Describe about different types of mycorrhiza.

**Or**

What do you mean by plant disease ? Give an account of various disease symptoms in plants. 2+8=10

