

Deptt.
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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 aspergillois ?

(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