

2018

2nd Semester

BOTANY

PAPER—C3T

(Honours)

Full Marks : 40

Time : 2 Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

1. Answer any five of the following :

5×2

- (a) What is fairy ring ?
- (b) Name two poisonous basidiomycetes.
- (c) What is bioluminescence ?
- (d) What is parasexual cycle ?



(e) What are the differences between the ectomycorrhiza and endomycorrhiza ?

(f) Mention the difference between ascospore and basidiospore.

(g) What is quarantine ?

(h) What is Helotism ?

2. Answer any *four* of the following :

4×5

(a) Write the symptoms and control measures of Citrus canker.

3+2

(b) Mention two edible mushrooms from West Bengal. Outline the cultivation process of oyster mushroom in India.

2+3

(c) Write a note on different processes of sexual reproduction of fungi.

5

(d) Describe different types of fruit bodies found in Ascomycota.

5

(e) Classify lichen according to their thallus organisation with example.

3+2

(f) What is disease triangle ? Write briefly about different control measures of disease.

1+4

3. Answer any *one* of the following :

1×10

(a) Write a note on heterothallism. Diagrammatically represent clamp connection. Compare zygospore with oospore.

5+3+2

(b) Schematically represent the life cycle of *Puccinia*. Describe the symptoms and control measures of black stem rust of wheat.

5+(3+2)