

**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?

(Turn Over)

(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) Schematicly represent the life cycle of *Puccinia*. Describe the symptoms and control measures of black stem rust of wheat. 5+(3+2)
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