

SH-II/Botany/201/C3-T3/19

B.Sc. 2nd Semester (Honours) Examination, 2019

BOTANY

(Mycology & Phytopathology)

Paper : 201/C3-T3

Course ID : 21311

Time: 1 Hour 15 Minutes

Full Marks: 25

*The figures in the right hand side margin indicate full marks.
Candidates are required to give their answers in their own words
as far as practicable.*

1. Answer *any five* questions from the following: 1×5=5
- (a) What is conidium?
 - (b) What is meant by plectenchyma?
 - (c) What is form-genus?
 - (d) What is diplanetism?
 - (e) Define pathogenesis.
 - (f) What is heteroecous rust?
 - (g) Define systemic fungicide.
 - (h) What is cleistothecium?
2. Answer *any two* questions from the following: 5×2=10
- (a) Describe with suitable diagram, different types of fruit bodies found in Ascomycotina. 3+2=5
 - (b) What are different events of parasexual cycle? Who first reported this phenomenon? 4+1=5
 - (c) Write down the causal organism, symptoms and control measures of white rust of crucifers. 5
 - (d) Give schematic outline classification of fungi given by G.C.Ainsworth (1973) up to class. 5
3. Answer *any one* question: 10×1=10
- (a) What is endemic disease? Describe the life cycle of *Synchytrium endobioticum* with labelled sketches. 1+5+4=10
 - (b) What is mycorrhiza? Briefly describe its type. Discuss its significance in nature. 2+3+5=10
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