

II Semester B.Sc. Examination, May/June 2018
(CBCS) (2014-15 and Onwards)
(Fresh + Repeaters)
BOTANY – II

Diversity of Non-Vascular Plant (Part – II)
Mycology, Plant Pathology, Bryophytes and Plant Anatomy

Time : 3 Hours

Max. Marks : 70

- Instructions :** 1) Answer *all* questions.
2) Draw diagrams *wherever* necessary.

PART – A

- A. Explain/Define **any ten** of the following in **two** or **three** sentences : (10×2=20)
- 1) What is Coenocytic mycelium ?
 - 2) What are annual rings ?
 - 3) What is systemic infection ? Give an example.
 - 4) List the differences between dorsal and ventral surface of Marchantia thallus.
 - 5) What is meristematic tissue ?
 - 6) Mention the pathogen and any two symptoms of blast disease of rice.
 - 7) Differentiate the apothecium of lichens from peziza.
 - 8) Mention the components of xylem.
 - 9) Name the sex organs in bryophytes.
 - 10) Differentiate between collenchyma and sclerenchyma.
 - 11) Name the causal organism and its reproductive structure of Red rot of sugarcane.
 - 12) What is protonema ?

PART – B

- B. Write critical notes on **any four** of the following : (4×5=20)
- 13) T. S. of Marchantia thallus.
 - 14) Laticiferous secretory tissue.
 - 15) Grain smut of sorghum.



P.T.O.

