

Q.P. Code : 11228

Second Semester B.Sc. Degree Examination, May/June 2019

(CBCS – Freshers – 2014-15 onwards)

Botany

**Paper II — DIVERSITY OF NON-VASCULAR PLANTS – (Part II)
MYCOLOGY, PLANT PATHOLOGY, BRYOPHYTES AND
PLANT ANATOMY**

Time : 3 Hours]

[Max. Marks : 70

Instructions to Candidates :

1. Answers **ALL** questions.
2. Draw diagrams wherever necessary.

PART – A

A. Answer any **TEN** of the following in two or three sentences : **(10 × 2 = 20)**

1. Classify fungi based on Nutrition.
2. What is Endo Mycorrhiza?
3. Mention any two industrial uses of fungi.
4. Name the pathogen of Koleroga and two symptoms of disease.
5. Mention any two plant diseases controlled by Trichoderma.
6. Write any two control measures of Red rot of sugarcane.
7. Mention any two difference between Rhizoid and Scales of Marchantia.
8. What is Alternation of Generation?
9. What are Elaters?
10. Classify the Meristem based on their function.
11. Mention the components of Xylem.
12. Differentiate between parenchyma and collenchyma.

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PART - B

B. Write critical notes on any **FOUR** of the following : **(4 × 5 = 20)**

13. T.S. of Anthoceros thallus
14. Types of Scleroids
15. Secretory tissues
16. Economy importance of Lichens
17. Asexual reproduction of cercospora
18. Grain smut of sorghum

PART - C

C. Give a comprehensive account of any **THREE** of the following : **(3 × 10 = 30)**

19. Secondary growth in Dicot stem.
 20. Give a detailed account of
 - (a) Blast disease of Rice
 - (b) Neem as a Biopesticide.
 21. Explain the life cycle of Pezize.
 22. Describe the structure of Funaria Sporophyte.
 23. Life cycle of Puccinia on wheat.
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