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**II Semester B.Sc. Degree Examination, September - 2021****BOTANY****Diversity of Non Vascular Plants - (Part II), Mycology, Plant Pathology,  
Bryophytes & Plant Anatomy****(CBCS Scheme Repeaters 2016-17 Onwards)****Paper : II****Time : 3 Hours****Maximum Marks : 70****Instructions to Candidates:**

1. Answer **ALL** Parts.
2. Draw diagrams wherever necessary.

**PART - A****A) Answer any TEN of the following in Two or Three Sentences. (10×2=20)**

1. What are lichens?
2. Give any two general characters of fungi.
3. What are Biopesticides.
4. What are Peristomial teeth? Mention its function.
5. Define laticifers. Mention the types.
6. Name the Pathogen & host of rotten neck disease.
7. Draw neat & labelled diagram of female sexorgan in bryophyte.
8. What is lateral meristem? Mention its function.
9. Distinguish between ascospores and basidiospores.
10. Define chlorosis.
11. What are lenticels? Give an example.
12. Differentiate between Elaters & Pseudo elaters.

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**PART - B**

- B) Write critical notes on any **FOUR** of the following. (4×5=20)
13. Gametophyte of Funaria.
  14. Parenchyma.
  15. Uredinial stage of Puccinia
  16. Red rot of Sugar cane.
  17. Vegetative reproduction in Bryophytes.
  18. Tunica Corpus and Histogen theories.

**PART - C**

- C) Give a Comprehensive account of any **THREE** of the following. (3×10=30)
19. With a neat labelled diagram describe the L.S of sporophyte of Marchantia.
  20. Describe the anomalous secondary growth in Boerhaavia stem.
  21. What is coffee rust? Give the symptoms, Causal organism & Control measures.
  22. Describe
    - a) A Sexual reproduction of Albugo.
    - b) Koleroga of Arecanut.
  23. Explain the economic importance of Fungi.
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