

21019915001u

B. Sc. (Forestry)-1<sup>st</sup> Semester, Examination-(2019-20)

S-1124

Introductory Botany

Time: Three Hours

MM: 35

Section-A

Note: Attempt all questions. Each question carries 1 mark.

Fill in the blanks.

1. *Adiantum* is also called as.....
2. Luxuriant growth of Algae in water often imparting colour to the water is called .....
3. Spore bearing leaf is called .....
4. In .....chloroplast is cup shaped.
5. Mycelia consists of a tangle of .....

Write True (T) or False (F).

6. Fritsch was a Phycologist.
7. Water is essential for Fertilization in Ferns.
8. The common name of *Rhizopus* is Pin Mould.
9. In *Pinus*, branches are Dimorphic.
10. Fusion of two naked motile gametes is known as Planogemetic copulation.

(T/F)  
(T/F)  
(T/F)  
(T/F)  
(T/F)

Section -B

Note: Attempt any five questions. Each question carries 2 marks.

11. Define Flower and explain its parts along with diagram.
12. Differentiate between Algae and Fungi.
13. Draw structure of a Leaf and its parts.
14. Give general characters of Bryophytes.
15. Draw a well-labeled diagram of *Chlamydomonas*.
16. Describe briefly the Sexual reproduction in *Rhizopus*.
17. Explain the different types of Tissues found in Plants.

Section -C

Note: Attempt any three questions. Each question carries 5 marks.

18. Give classification of Algae studied by you. Write important characters of any five classes.
19. Explain the internal structure of Monocot Stem with suitable diagram. How does it dif from Dicot stem?
20. Differentiate between Gymnosperm and Angiosperm.
21. Explain in detail about the Sexual Reproduction in *Chlamydomonas*.
22. Draw a well labeled diagram of Monocot and Dicot root.