

BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025  
2025 ADMISSIONS REGULAR  
SEMESTER I - MINOR - B (BOTANY )  
BO1DSCB101B24 - Frontiers in Plant Science

Time : 1.5 Hours

Maximum Marks : 50

## Part A

Answer all questions. Each question carries 1 mark.

(1x10=10)

1. Name the book published by Theophrastus. [CO1,Remember]
2. Define plant anatomy. [CO1,Remember]
3. Who put forth the Binomial Nomenclature? [CO1,Remember]
4. Name the male and female reproductive structures in bryophytes. [CO2,Understand]
5. Give examples of insectivorous plants. [CO2,Understand]
6. What are psychoactive flora? [CO2,Understand]
7. Cite the DNA polymerase is used in Polymerase Chain Reaction. [CO3,Understand]
8. Explain GIS. [CO3,Remember]
9. Describe a nucleotide. [CO3,Understand]
10. Which is the useful part of *Curcuma longa*. [CO4,Understand]

## Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark.

(5x2=10)

11. Write a short note on *Morus marabancus*. [CO1,Understand]
12. Write the benefits of *Trichopus zeylanicus*. [CO1,Understand]
13. Explain the contributions of K.S. Manilal. [CO1,Understand]

## Part C

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark.

(5x2=10)

14. Discuss about "Biomimocry nature as amodel" with suitable example [CO2,Understand]
15. State the major differences between angiosperms and gymnosperms. [CO2,Understand]
16. Explain the major groups of Algae with its pigments and reserve foods [CO2,Understand]

## Part D

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark.

(5x2=10)

17. Explain the role of IoT in deep learning and technology. [CO3,Understand]
18. Discuss the role of deep learning technology in disease management. [CO3,Understand]
19. Explain the requirements or components of PCR. [CO3,Understand]

## Part E

Answer any 1 question from the bunch of CO4. Each question carries 10 mark.

(10x1=10)

20. Write down the name, morphology of useful parts and economic importance of two fiber yielding and two timber yielding plants [CO4,Understand]
21. Explain the major pollution indicators with examples [CO4,Understand]