



**2023/TDC(CBCS)/EVEN/SEM/
BOTHCC-402T/226**

TDC (CBCS) Even Semester Exam., 2023

BOTANY

(Honours)

(4th Semester)

Course No. : BOTHCC-402T

(Plant Ecology and Phytogeography)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

SECTION—A

Answer any *ten* of the following questions : $2 \times 10 = 20$

1. What do you mean by levels of organization?
2. Write the importance of soil.
3. What do you mean by water table?



(2)

4. What is symbiosis?
5. Define ecological pyramid.
6. What do you mean by parasitism?
7. Write about ecological amplitude.
8. Distinguish between habitat and niche.
9. Write briefly about the types of succession.
10. Define frequency.
11. Write briefly about ecological efficiencies.
12. Write a brief note on endemism.
13. Write briefly about Tundra biome.
14. Write a brief note on local vegetation of your region.
15. What is theory of tolerance?

J23/652

(Continued)

(3)

SECTION—B

Answer any *five* of the following questions : 6×5=30

16. Describe the basic concepts in ecology. Write a note on the dynamism and homeostasis.
17. Discuss the physical, chemical and biological components of soil. Write a note on the role of climate in soil development.
18. Discuss the states of water in environment. Write a note on water in soil.
19. Discuss different types of ecological pyramids with examples.
20. Describe the energy flow in a terrestrial ecosystem.
21. Discuss the analytical and synthetic characters of a plant community.
22. Describe the cycling of carbon and nitrogen.
23. Describe the structure and function of an ecosystem.

J23/652

(Turn Over)



(4)

24. Discuss the principles of phytogeography.

25. Describe the different phytogeographical divisions of India.
