

**2022/TDC(CBCS)/EVEN/SEM/  
BOTSEC-401T/277**

**TDC (CBCS) Even Semester Exam., 2022**

**BOTANY**

**( 4th Semester )**

Course No. : BOTSEC-401T

**( Herbal Technology )**

Full Marks : 50

Pass Marks : 20

Time : 3 hours

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

**SECTION—A**

Answer any *fifteen* questions of the following :

1×15=15

1. Define herbal medicine.
2. Name the first medicinal plant book in India.
3. What is the meaning of 'AYUSH'?
4. Write the scientific name of Sarpagandha.
5. What are MAPs?

6. What is pharmacognosy?
7. Write the scientific name of ginger.
8. What is antioxidant?
9. What is food adulteration?
10. Write the scientific name of Ashoka.
11. What is trade name?
12. Define herbal food.
13. Write the uses of Ashwagandha.
14. Name one anti-diabetic plant.
15. What is secondary metabolite?
16. Define micropropagation.
17. What is pharmacological codex?
18. Define active principles.

22J/1221

( Continued )

19. Write scientific name of Fenugreek.
20. Name the plant which yields reserpine.

SECTION—B

Answer any *five* questions of the following : 2×5=10

21. Write medicinal uses of tulsi.
22. Give examples of secondary metabolites.
23. Write the uses of neem. Write the scientific name of neem.
24. What are the full forms of BP and IP in terms of pharmacological codex?
25. Write a few steps by which drugs get adulterated.
26. What is phytochemical screening of medicinal plants?
27. Write about flavonoids.
28. Write the basic steps for harvesting and storage of medicines

22J/1221

( Turn Over )

29. Briefly mention the tests for phenolic compounds.
30. Write the scientific name and family name of one anti-rheumatic plant.

SECTION—C

Answer any *five* questions of the following : 5×5=25

31. Write the brief history and scopes of herbal medicines.
32. Describe the brief methods of cultivation, harvesting, processing and storage of medicinal plants.
33. Write the scientific names, families and uses of ginger and gooseberry.
34. What is phytochemistry? Mention a few active compounds present in tulsi and nayantara.
35. What is analytical pharmacognosy? What are the types of drug adulteration? Briefly mention the methods of drug evaluation.
36. What is medicinal plant bank? What are the various steps required for popularising and marketing of medicinal plants?

37. Mention the role of drug control authority in India in ensuring quality control and efficacy of medicinal plants in India.
38. Write a note on prospects and problems in pharmacognosy.
39. Who confers trade name to medicinal plants? How are trade names used in marketing of a product?
40. Write the future of herbal food in India. How does it solve food crisis in India?

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