

**2023/FYUG/ODD/SEM/
BOTSEC-101T/040**

**FYUG Odd Semester Exam., 2023
(Held in 2024)**

**BOTANY
(1st Semester)**

**Course No. : BOTSEC-101T
(Medicinal Plants and Herbal Technology)**

Full Marks : 50

Pass Marks : 20

Time : 2 hours

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

SECTION—A

**Answer fifteen questions, selecting any three from
each Unit : 1×15=15**

UNIT—I

- 1. What is Ayurveda?**
- 2. What is Siddha medicine?**
- 3. Define medicinal herb.**
- 4. Name two indigenous systems of medicine.**

(2)

UNIT—II

5. Write the full form of CIMAP.
6. Name one plant in curing Jaundice.
7. Give example of one plant in curing diabetics.
8. Give example of one endangered medicinal plant.

UNIT—III

9. Define pharmacognosy.
10. Write the scientific name of Tulsi.
11. Write one use of *Spirulina*.
12. Give scientific name of one herb which is used as health food.

UNIT—IV

13. What are phytochemicals?
14. Give example of one alkaloid.
15. Write the full form of WHO.
16. Define secondary metabolites.

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(Continued)

(3)

UNIT—V

17. What is patent?
18. What is biopiracy?
19. Write the full form of DTAB.
20. What is GMP?

SECTION—B

Answer five questions, selecting one from each

Unit : 2×5=10

UNIT—I

21. How is churna prepared?
22. What are the components in pancha-mahabhutas?

UNIT—II

23. Give examples of two plants in curing skin disease.
24. Write two functions of CIMAP.

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(Turn Over)

(4)

UNIT—III

25. Write the scientific name of Arjun and its medicinal uses.

26. Write two uses of Ginseng.

UNIT—IV

27. What are flavonoids? Give one example.

28. Give one test for the presence of phenolic compounds in plant extract.

UNIT—V

29. What do you mean by bioprospective?

30. What is the full form of AYUSH?

SECTION—C

Answer *five* questions, selecting *one* from each
Unit : 5×5=25

UNIT—I

31. Write the importance of Ayurveda system of medicine.

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(Continued)

(5)

32. Write a note on the plants used in Unani medicine.

UNIT—II

33. Write a note on *in situ* and *ex situ* conservation of medicinal plants.

34. Write a note on some locally available medicinal plants with their scientific names and uses.

UNIT—III

35. Write the systematic position and uses of the following herbs : $2\frac{1}{2}+2\frac{1}{2}=5$

(i) Ginger

(ii) Ashoka

36. Write a note on the future of pharmacognosy.

UNIT—IV

37. What do you mean by Drug Adulteration? Write about the different methods of drug evaluation.

38. Write a note on different qualitative tests for the presence of secondary metabolites.

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(Turn Over)

(6)

UNIT—V

39. What is IPR? Write the characteristic features of IPR.
40. Write a note on plant-based medicinal industries and institutions in India.

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