

**2024/FYUG/ODD/SEM/
BOTSEC-101T/075**

FYUG Odd Semester Exam., 2024

**BOTANY
(1st Semester)**

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

Full Marks : 50

Pass Marks : 20

Time : 3 hours

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

UNIT—I

1. Answer any *three* from the following : 1×3=3

- (a) Who is the father of Ayurveda?
- (b) Define 'Churna'.
- (c) What is Unani system of medicine?
- (d) Who is the founder of Unani system?

2. What is Panchamahabhuta and Tridosha? 2

OR

3. How is Bhasma prepared? 2

J25/477

(Turn Over)

(2)

4. Write, in brief, about the history of use of medicinal herbs in India. 5

OR

5. Write about the origin and plants used in Siddha medicine. 5

UNIT—II

6. Answer any *three* from the following : 1×3=3

- (a) Name an endemic medicinal plant of India.
(b) Name one plant which is used in curing diabetes.
(c) Define endangered Taxa.
(d) Write the full form of CIMAP.

7. Name two plants which are used in curing Jaundice. 2

OR

8. Differentiate between endangered and endemic medicinal plants. 2

9. Write a brief note on CIMAP. 5

OR

10. Write about the application of medicinal plants in curing infertility and memory loss. 5

J25/477

(Continued)

(3)

UNIT—III

11. Answer any *three* from the following : 1×3=3

- (a) What do you mean by pharmacognosy?
(b) Write the scientific name of Indian gooseberry.
(c) Write two medicinal uses of ginger.
(d) Write two useful benefits of garlic.

12. Write the family and scientific name of fenugreek. 2

OR

13. Write two uses of Ashoka in curing disease. 2

14. Write the systematic position, distinguishing features and use of Tulsi in curing various ailments. 5

OR

15. Write the beneficial effects of alfa-alfa as health food. 5

UNIT—IV

16. Answer any *three* from the following : 1×3=3

- (a) What are secondary metabolites?
(b) Name one flavonoid.
(c) What is drug adulteration?
(d) Write the full form of WHO.

17. What are alkaloids? Give one example. 2

J25/477

(Turn Over)

(4)

OR

18. Write one test to confirm the presence of terpenoids in plant extract. 2
19. What are active principles? Write about the WHO guidelines for the assessment of herbal medicines. 1+4=5

OR

20. Write about the different qualitative tests performed to confirm the presence of various secondary metabolites in a plant extract. 5

UNIT—V

21. Answer any *three* from the following : 1×3=3
- (a) What is Breeders' Rights?
 - (b) Define Biopiracy.
 - (c) What is traditional knowledge?
 - (d) Write one function of DTAB.

22. Write a short note on Farmers' Rights. 2

OR

23. Name two plant-based medicinal institutes in India. 2

24. Write a brief note on Turmeric patent. 5

OR

25. Write about the Drugs Technical Advisory Board (DTAB) of India. 5

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J25—1050/477

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