

**2025/FYUG/ODD/SEM/
BOTSEC-101T/222**

FYUG Odd Semester Exam., 2025

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*

UNIT—I

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

- (a) What is Saptadhatu?
- (b) Define Leham.
- (c) What is Tridosha?
- (d) Name the first book on Indian medicine.

2. Answer any *one* from the following : 2

- (a) Write about Gutikas.
- (b) Write a note on Rasayana.

(2)

3. Answer any one from the following :

- (a) Give a detailed account of indigenous system of medicine.
- (b) Give a detailed account of Unani system of medicine.

UNIT—II

4. Answer any three from the following :

- (a) Define *in situ* conservation.
- (b) What is CIMAP?
- (c) Name two local medicinal plants.
- (d) Name a plant used in curing cardiac disorder.

5. Answer any one from the following :

- (a) Write about Red list criteria.
- (b) Write a note on endangered taxa.

6. Answer any one from the following :

- (a) Give a detailed account of *ex situ* conservation of medicinal plants.
- (b) Write about the application of medicinal plants in jaundice and skin diseases.

(3)

UNIT—III

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

- (a) Name the inflorescence found in Tulsi.
- (b) Write the scientific name of ginger.
- (c) Name the family of Tulsi.
- (d) Write the scientific name of Vasaka.

8. Answer any one from the following : 2

- (a) Write a note on Alfa alfa.
- (b) Write about future of pharmacognosy.

9. Answer any one from the following : 5

- (a) Write the systematic position, distinguishing features and uses of Arjun. 1+2+2=5
- (b) Give a detailed account of *Spirulina*. 5

UNIT—IV

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

- (a) What is phytochemistry?
- (b) Name one phenolic compound.
- (c) What is analytical pharmacognosy?
- (d) Define steroids.

11. Answer any *one* from the following :
- (a) Write a note on active principles.
 - (b) Write about phytochemical screening tests for phenolic compounds.
12. Answer any *one* from the following :
- (a) Give a detailed account of methods of drug evaluation.
 - (b) Write an essay on drug adulteration.

UNIT—V

13. Answer any *three* from the following : 1×3
- (a) What is IPR?
 - (b) Define bioprospecting.
 - (c) What is farmer's right?
 - (d) Define breeder's right.
14. Answer any *one* from the following :
- (a) Write a note on patent.
 - (b) What is traditional knowledge?
15. Answer any *one* from the following :
- (a) Write a note on Neem patent.
 - (b) Give a detailed account of Good Manufacturing Practice (GMP) of Indian system of medicine.

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