

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY

FIFTH SEMESTER – NOVEMBER 2023

UPB 5504 – HERBAL SCIENCES AND ETHNOBOTANY

Date: 10-11-2023

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

PART A

(10x2=20 marks)

Answer the following, each within 50 words only

1. What is Tridosha principle?
2. Which is the oldest book on herbs and written by whom?
3. Write the scientific name of Adatoda and Neem.
4. Define herbal bath.
5. What is glycerites?
6. Write the uses of tulsi and nilavembu.
7. Write the major chemical constituents of Gooseberry.
8. Expand the terms AYUSH and NMPB.
9. Write any two medicinal plants and their uses?
10. Who are Irulars?

PART B

(5X7=35 marks)

Answer the following, each within 500 words; Draw diagrams and flow charts wherever necessary

11(a). Give an account of the study of sensory characters in drug analysis.

Or

(b) Write notes on active and inert constituents.

12(a). Write the scientific names, useful parts and uses of Ginger and Keezhanelli.

Or

(b) Describe the macroscopic and microscopic characters of Aloe.

13(a). Write the preparatory procedure for any one Herbal oil.

Or

(b). Explain about herbal compresses, and the procedure involved.

14(a). Discuss the Ayurvedha system of medicine.

Or

(b) Provide a brief ethnographic note on Paliyars.

15(a). Write an essay on Ethnobotany in India.

Or

(b). Give a brief account on the export potential of medicinal herbs.

PART C

(3X15=45 marks)

Answer any three of the following, each within 1200 words. Draw diagrams and flow charts wherever necessary

16. Write an essay on drug adulteration.

17. Describe the organoleptic characters and the major chemical constituents of any two rhizomes used in primary health care.

18. Write elaborately on any two preparatory procedures for herbal products.

19. Give a detailed account of the Siddha and Unani system of medicine in India.

20. Discuss the role of tribes in medicinal plants conservation.
