



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FIFTH SEMESTER – APRIL 2019

PB 5524– ETHNOBOTANY & HERBAL SCIENCES

Date: 22-04-2019
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART - A

Answer the following, each within 50 words.

(10 x 2 = 20 marks)

1. Define unani system of medicine.
2. Expand NMPB and mention its importance.
3. Mention the role of Irulas in conservation of medical plants?
4. What is tribal economy?
5. Define pharmacognosy.
6. Comment on drug adulteration.
7. Mention the uses of *Ocimum sanctum*.
8. Define copyright.
9. What are elixirs?
10. Define hydrotherapy.

PART - B

Answer the following, each within 500 words. Draw diagrams wherever necessary.

(5 x 7 = 35 marks)

11. a. Illustrate the importance of herbarium in ethnobotanical research.

(or)

- b. Write critical notes on CIMAP.

12. a. Write ethnobotanical studies of Todas.

(or)

- b. Explain the various schemes of state forest department for tribal development

13. a. Give a brief account on classification of drugs.

(or)

- b. Explain the microscopic method of drug evaluation.

14. a. Illustrate the organoleptic characters of *Azadirachta indica*.

(or)

b. What is IPR? Discuss about its types.

15.a. Describe the preparatory procedure of Glycerites.

(or)

b. Give the composition of any two herbal preparations and its uses.

PART - C

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

(3 x 15 = 45 marks)

16. Give an account on Indian systems of medicine.

17. Enumerate the tribal knowledge towards disease diagnosis, medicinal plants and cultivation.

18. Explain the preparation and storage methods of plant drugs for commercial purpose.

19. Describe the medicinal properties and extraction of phytochemical compounds from

Phyllanthus amarus and *Zingiber officinale*.

20. Describe the occurrence, isolation and therapeutic importance of alkaloids and tannins.
