

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



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

FIFTH SEMESTER – NOVEMBER 2017

PB 5524 / PB 5517 – ETHNOBOTANY & HERBAL SCIENCES

Date: 08-11-2017

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART – A

ANSWER THE FOLLOWING, EACH WITHIN 50 WORDS.

(10X2= 20 Marks)

1. What is Ethnobotany?
2. Expand CIMAP.
3. Write about Paliyars.
4. What is an inert constituent of a Drug.
5. What are Unorganized Drugs?
6. Organoleptic evaluation of Drug - Comment
7. Mention any 4 Active principles of *Azadirachta indica*.
8. Write the medicinal properties of *Acorus calamus*
9. What are Elixirs?
10. What are Resins?

PART – B

ANSWER THE FOLLOWING, EACH WITHIN 500 WORDS. DRAW DIAGRAMS AND FLOWCHARTS WHEREVER NECESSARY

(5X7= 35 Marks)

11. a) Expand and explain AYUSH.
(OR)
b) Write about the methodologies in Ethnobotanical Research.
12. a) Write about the medicinal plants used by Todas to cure Diseases.
(OR)
b) Describe the disease diagnosis methods of Tribal People.
13. a) Write about the morphological classification of Crude Drugs.
(OR)
b) How are powdered drugs adulterated?

14. a) Write about the medicinal properties of *Catheranthus roseus*.

(OR)

b) Write about the Intellectual Property Rights.

15. a) Give an account on Tinctures and Poultrice.

(OR)

b) Write about any 3 volatile oils studied by you

PART – C

ANSWER ANY THREE OF THE FOLLOWING, EACH WITHIN 1200 WORDS. DRAW

DIAGRAMS AND FLOWCHARTS WHEREVER NECESSARY

(3 X15= 4 MARKS)

16. Write a detailed account on Ayurveda system of Medicine.

17. Write an account on Role of Tribes in Conservation and Cultivation of Medicinal plants.

18. Explain the microscopic and physical evaluation of drugs.

19. Explain the organoleptic studies on *Emblica officinalis*.

20. What are Alkaloids? Give the medicinal values of few alkaloids known to you. Add a note on methodology of extraction of alkaloids from medicinal plants.
