

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



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

FIFTH SEMESTER – NOVEMBER 2016

PB 5524/5517/5511/5503 – ETHNOBOTANY & HERBAL SCIENCES

Date: 07-11-2016

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART – A

(10 x 2 = 20 marks)

Answer the following, each within 50 words.

01. Write about the origin of Ethnobotany?
02. Expand NMPB.
03. Who are Paliyars?
04. What is Materia Medica?
05. Write notes on Physical evaluation of drugs.
06. Define antioxidants.
07. Give the chemical constituents of Ginger.
08. Mention the uses of Turmeric.
09. Define alkaloids.
10. What is meant by Poultices?

PART – B

(5 x 7 = 35 marks)

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

11. a. “Ethnobotany is an emerging science” – Discuss.
(OR)
b. Write notes on AYUSH.
12. a. Write an account on the tribal knowledge towards the diagnosis of diseases.
(OR)
b. Explain the various schemes of State forest department for tribal development.
13. a. Explain briefly about drug adulteration.
(OR)
b. Write notes on the history of Pharmacognosy.
14. a. Explain the morphological characters of *Coriandrum sativum* and *Ricinus communis*.
(OR)
b. Write an account on Intellectual Property Rights.
15. a. Give a brief note on Hydrotherapy.
(OR)
b. Describe the occurrence and therapeutic effects of volatile oils.

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

16. Explain the importance of Ethnobotany in the Indian systems of medicine.
17. Write an account on the tribes with reference to Todas and Irulas.
18. Describe various evaluation methods involved in the preparation of drugs for commercial purpose.
19. Discuss the medicinal properties and extraction of phytochemical compounds from *Vinca rosea* and *Azadirachta indica*.
20. Describe the procedure for the preparation of capsules and Tincture.
