



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – PLANT BIOLOGY & BIOTECH.

FIFTH SEMESTER – NOVEMBER 2013

PB 5517/PB 5511/PB 5503 – HERBAL AND ETHANOBOTANY

Date : 09/11/2013
Time : 9:00 - 12:00

Dept. No.

Max. : 100 Marks

Part -A

ANSWER THE FOLLOWING, EACH WITHIN 50 WORDS ONLY:

(10 x 2 = 20)

01. What is Materia medica?
02. Expand BSI & mention its importance.
03. What is phenolic?
04. Write any two medicinal properties of *Zingiber officinale*.
05. What is a bioactive principle?
06. Distinguish between resin and alkaloids compounds.
07. Name the terpenoid extracted from *Azadirachata indica*. Mention its importance.
08. What are suppositories?
09. Define Siddha system of medicine.
10. What do you mean by Baram or Charam?

PART -B

ANSWER THE FOLLOWING, EACH WITHIN 500 WORDS;

DRAW DIAGRAMS WHEREVER NECESSARY:

(5 x 7 = 35)

11. a) Describe the salient features involved in the organoleptic studies.

(OR)

- b) Discuss adulteration of drugs with two examples

12. a) Mention the active principle and medicinal uses of *Phyllanthus amarus* and *Vinca rosea*.

(OR)

- b) Describe the microscopic characters of thulasi and ginger.

13. a) Write notes of interest on herbal preparation with respect to Herbal oil.

(OR)

- b) Discuss the extraction process for Alkaloids and Tannins

14. a) Write notes on field work, literature, herbaria and musea in ethobotanical research.

(OR)

- b) Describe the importance of ethanobotany in Indian systems of medicine.

15. a) Write ethanobotanical study of Paliyars.

(OR)

- b). Discuss the Intellectual Property Rights in relation to traditional medicine.

PART –C

ANSWER ANY THREE OF THE FOLLOWING, EACH WITHIN 1200 WORDS;

DRAW DIAGRAMS WHEREVER NECESSARY:

(3 x 15 = 45)

16. Write about the preparation and storage methods of plant drugs for commercial purpose.
17. Briefly explain the chemical and anatomical characterization of *Andrographis paniculata*.
Add a note on its medicinal uses.
18. Explain the methodology of preparation of the following:
i) Poultices ii) Elixirs iii. Glycerites.
19. Give a detailed account of the Indian system of medicine.
20. Bring the knowledge of tribes toward disease diagnosis, treatment, medicinal plant, plant conservation and their Cultivation.

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