



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – PLANT BIOLOGY & PLANT BIO-TECH.

FIFTH SEMESTER – APRIL 2013

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

Date: 11/05/2013
Time: 9:00 - 12:00

Dept. No.

Max. : 100 Marks

PART A

Answer the following, each in about 50 words only:

(10×2=20)

1. Define Adulterant.
2. What is antihelmintic?
3. Write the Botanical name of Keezhanelli and mention its medicinal uses.
4. Write the medicinal uses of *Ricinus communis*.
5. Define alkaloid.
6. What is hydrotherapy?
7. What is Ayurveda?
8. Define unani.
9. Who are Todas?
10. What is IPR?

PART- B

(5×7=35 marks)

Answer the following within 500 words ; draw diagrams/flow charts wherever necessary:

11. (a). Write about Biological assay?
(Or)
(b) Write about the classification of medicinal plants .
12. (a). Enumerate the macroscopic characters of *Zingiber officinale*.
(Or)
(b). Describe the microscopic characters of *Adhatoda vasica*.
- 13 (a). Write notes on Resins and volatile oils.
(Or)
(b). Write about the preparations of Elixirs and Glycerites.
- 14.(a). Write about the contribution of the Irulas to the traditional system of medicine.
(Or)
(b). Explain the methodologies involved in ethanobotanical research.
15. (a). Discuss Intellectual property rights in relation to traditional medicine
(Or)
(b) What are the qualities of good export potential herbs?

PART-C

(3X15=45 marks)

Answer any THREE of the following, each not exceeding 1200 words. Draw diagrams/flow charts wherever necessary:

16. Write a detailed account of the physical evaluation of drugs.
17. Describe the organoleptic characters of *Datura metel* and *Andrographis paniculata*.
18. Discuss the extraction and purification of alkaloids.
19. Give a detailed account of the importance of ethnobotany in traditional system of medicine.
20. Comment on the cultivation and preservation of medicinal plants.

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