

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

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

FIFTH SEMESTER – NOVEMBER 2007

**PB 5503 - HERBAL AND ETHANOBOTANY**

AE 12

Date : 26/10/2007  
Time : 9:00 - 12:00

Dept. No.

Max. : 100 Marks

**PART A**

**Answer all questions** (20 x 01 = 20)

I. Choose the best answer. (05 x 01 = 05)

01. Hip bath is also called as \_\_\_\_\_ bath  
a. Sitz                      b. Oat                      c. Lavender                      d. Oil
02. Herbal principles to cure Jaundice are extracted from  
a. *Eclipta alba*                      b. *Phyllanthus amarus*  
c. *Azadirachta indica*                      d. *Ocimum sanctum*
03. Comfrey goo is a  
a. poultice   b. elixir   c. salve   d. herbal oil
04. Tamil medicine refers to \_\_\_\_\_ medicine  
a. Siddha                      b. Unani                      c. Homeo                      d. Ayurveda
05. \_\_\_\_\_ of herbal principles proceeds microextraction and microfiltration.  
a. Lyophilization   b. Crystallisation   c. Solidification   d. Freeze drying

II. State true or false. (05 x 01 = 05)

06. Extracts from *Coriandrum sativum* are used in perfume industries.
07. Drug color names are standardized and determined by international color charts.
08. Dr S K Jain is the pioneering ethnobotanist in India.
09. Tribals seldom wish to live in harmony with nature.
10. Vasicine is the alkaloid extracted from *Adathoda vasica*.

III. Complete the following. (05 x 01 = 05)

11. Unani medicine has been systematized by \_\_\_\_\_.
12. \_\_\_\_\_ involve the exclusive use of glycerine as an alternate sweetener for drugs.
13. Extract from \_\_\_\_\_ is used in the preparation of hair oils.
14. \_\_\_\_\_ are some plants believed as sacred and worshiped by tribes.
15. \_\_\_\_\_ involves the addition of an inferior material to any herbal medicine to defraud.

IV. Answer the following within 50 words (05 x 01 = 05)

16. Define Pharmacognosy.
17. Mention the deity of woods of tribal belief.
18. What is tincture?
19. Identify the important alkaloids from *Vinca rosea*.
20. What is a Salve?

## PART B

**Answer any Five of the following, each not exceeding 350 words. (05 x 08 = 40)**

21. Comment on the components of Intellectual Property Rights (IPR).
22. Describe how drug adulterations are carried out?
23. Bring out the tribal attitude towards disease diagnosis and treatment.
24. Explain the strategies adopted by tribes to conserve medicinal plants.
25. Enumerate and explain the methodologies of ethnobotanical research.
26. Describe any one of the following in organoleptic terms. Draw suitable diagrams.  
i. *Eclipta alba* (or) ii. *Ocimum sanctum*
27. How to collect, dry and to store herbal plants?
28. Comment on the Indian ethnobotanical approaches.

## PART C

**Answer the following, each not exceeding 1500 words. (02 x 20 = 40)**

- 29 (a). Explain the methodologies towards extraction of phytopharmaceuticals.  
(or)  
(b). Write notes on the importance of the following:  
i. Ayurveda medicine ii. Siddha medicine iii. Unani medicine
- 30 (a). Describe the organoleptic evaluation of drugs.  
(or)  
(b). Describe the preparatory procedures of the following herbal preparations:  
**i. Elixirs ii. Compresses or Fomentations iii. Poultices iv. Herbal Teas**

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