

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



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

**FIFTH SEMESTER – NOVEMBER 2022**

**UPB 5504 – HERBAL SCIENCES AND ETHNOBOTANY**

Date: 02-12-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

**PART-A**

**Answer the following, each within 50 words.**

**(10 x 2 = 20 Marks)**

1. Define drugs.
2. What is drug adulteration?
3. Name any two uses of *Azadirachta indica*.
4. What are the useful parts of *Acorus*?
5. Define hydrotherapy.
6. Comment on terpenoids. Give an example.
7. What is ethnobotany?
8. Expand AYUSH.
9. List out the traditional system of medicine in India.
10. Mention any three tribes of Tamil Nadu.

**PART- B**

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

**(5 x 7 = 35 Marks)**

- 11a) Write short notes on the history of pharmacognosy.  
(OR)  
b) Describe the microscopic methods of drug evaluation.
- 12a) Write a note on i) *Ocimum sanctum* ii) *Catheranthus roseus*  
(OR)  
b) Describe the organoleptic characters and medicinal uses of *Emblica officinalis*.
- 13a) Write an essay on pharmaceutical applications of alkaloids  
(OR)  
b) Write in brief about Tincture.
- 14a) Describe the origin and scope of Ethnobotany.  
(OR)  
b) Describe the importance of Ayurveda medicine.
- 15a) Explain the indigenous system of medicine.  
(OR)  
b) Write short notes on tribal economy.

**PART-C**

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

**(3 x 15 = 45 Marks)**

16. Describe the classification of drug plants.
17. Explain the organoleptic study of *Andrographis paniculata*.
18. Discuss the methods of collection of wild medicinal plants.
19. Give a detailed account on Siddha and Unani systems of medicine.
20. Write an essay on traditional knowledge and its documentation.

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