TB246461K

Reg. No :.....

Name :.....

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2024

2021 ADMISSIONS REGULAR

SEMESTER VI - CHOICE BASED CORE (BOTANY)

BO6B13AB18 - Phytochemistry and Pharmacognosy

Time : 3 Hours **Maximum Marks : 80**

Part A

I. Answer any Ten questions. Each question carries 2 marks **(10x2=20)**

1. Comment on the importance of evaluation of crude drugs.
2. Define medicinal plant according to WHO. Give two examples.
3. List down the qualities of a good solvent.
4. What is meant by cold extraction?
5. Comment on Phenolic compounds. Give two examples
6. Which are the active principles present in Aloe?
7. What is the morphology of the useful part of Tinospora?
8. Mention the family and habit of Phyllanthus amarus.
9. What is meant by cohobation?
10. Write down the binomial of sweet basil.
11. What is meant by solubility?
12. Define pharmacognosy and give its etymology.

Part B

II. Answer any Six questions. Each question carries 5 marks **(6x5=30)**

13. Describe the general properties of terpenoids.
14. Write a short note on Reserpine and Ephedrine.
15. Write a short note on the distribution and occurrence of alkaloids.
16. Describe the chemical tests to identify catechu. Enlist its organoleptic features.
17. Describe the phytochemistry and medicinal properties of Opium.
18. Describe water distillation of volatile oil.
19. Describe direct steam distillation.
20. Describe the features of wheat starch grains with the help of diagram.
21. Give an account on the nature of crude drugs.

Part C

III. Answer any Two questions. Each question carries 15 marks **(2x15=30)**

22. Clarify the various separation techniques of phytochemicals.
23. Give an account on the habit, habitat, systematic position, morphology of the useful part, and phytochemistry of the following plants: a. Castor b.Liquorice c.Turmeric
24. Explain the phytochemistry and pharmacological action of: a. Khus b. Sweet basil c.Rose
25. Give an account on the source plants and medicinal properties of Taxol and Artemisinin.