



24000921

QP CODE: 24000921

Reg No :

Name :

B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, MARCH 2024**Sixth Semester****CHOICE BASED CORE COURSE - BO6CBT03 - PHYTOCHEMISTRY AND
PHARMACOGNOSY**

Common for B.Sc Botany Model I, B.Sc Botany Model II Food Microbiology, B.Sc Botany Model II
Environmental Monitoring And Management, B.Sc Botany Model II Horticulture and Nursery
Management, B.Sc Botany Model II Plant Biotechnology & B.Sc Botany and Biotechnology Model
III Double Main

2017 Admission Onwards

DB186329

Time: 3 Hours

Max. Marks : 80

Part A*Answer any **ten** questions.**Each question carries **2** marks.*

1. What are the organoleptic to study drug and aromatic plants?
2. Name a protoalkaloid. What are its functions?
3. Explain the occurrence of Terpenoids.
4. Give two the medicinal properties of Tinospora.
5. Describe the morphological features of Aegle marmelos.
6. What are the uses of Aswagandha roots?
7. Which are the useful part of Azadirachta indica?
8. What are the medicinal properties of Phyllanthus neruri?
9. What are the major essential oils extracted from Eucalyptus?
10. Explain steam distillation extraction from Mentha piperita.
11. What are the differences between the starch grains of Potato and Cucurma?
12. Give two examples of modern drug discovery .

(10×2=20)

Part B*Answer any **six** questions.**Each question carries **5** marks.*



13. Explain briefly about the Ion exchange and adsorption phenomenon of Column chromatography
14. Describe the classification of Phenols.
15. Differentiate between Quinines and Coumarins.
16. Explain the phytochemistry and major pharmacological action of plant drugs and ayurvedic formulations of Aegle marmelos.
17. Explain the major pharmacological action of plant drugs and ayurvedic formulations made using Datura stramonium
18. Give an account of the habit, habitat and systematic position and morphology of the useful part of Tylophora indica
19. How can we extract volatile oils from Santalum album and Syzygium aromaticum?
20. Innumerate the process by which we can Volatile oils from Cananga?
21. Describe the microscopic methods in pharmacognosy to study starch grains of maize and wheat.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Describe the various extraction methods in phytochemistry.
23. Explain the classification, functions and pharmacological uses of Quinines.
24. Explain the organoleptic, anatomical and chemical evaluation of the officinal part; phytochemistry and major pharmacological action of plant drugs and ayurvedic formulations of Asparagus racemosus.
25. Explain the chemical composition, mode of extraction and uses of Cinnamon oil.

(2×15=30)

