

Reg. No.....

Name.....

B.Sc. DEGREE END SEMESTER EXAMINATION – MARCH 2023**SEMESTER – 6: BOTANY (CORE COURSE)****COURSE: 15U6CRBOT13EL –: PHYTOCHEMISTRY AND PHARMACOGNOSY***(Common for Supplementary 2015/2016/2017/2018 Admissions)*

Time: Three Hours

Max. Marks: 75

PART A**I. Answer ALL questions; each question carries 1 mark.**

1. What are coumarins?
2. Name an anti –cancer drug developed by ethenopharmacological approach.
3. Why is methanol called as super solvent?
4. What are quinines?
5. What is the characteristic feature of the starch of maize?
6. Give the min constituents of cinnamon oil
7. Name the family morphology of useful part of *Asparagus*.
8. What is the ayurvedic use of *tylophora*?
9. What are triterpanoids?
10. What is Enthopharmacology?

(1 x 10 = 10)

PART B**II. Answer ANY Eight questions; each question carries 2 marks.**

11. What is the phytochemistry and pharmacological action of *Carica papaya*?
12. Give any two methods for drug evaluation.
13. Name the phytochemical constituent of *Azadirachta indica*.
14. Compare the starch grains of rice and wheat
15. Explain cold extraction
16. What is the use of soxhlet apparatus?
17. Comment on artemisinin
18. Explain the use of petroleum ether as solvent
19. What is opium?
20. What are the pharmacological uses of *Withania sominifera*

(2 x 8 = 16)

PART C**III. Answer ANY FIVE questions; each question carries 5 marks.**

21. Explain distillation of sandal wood oil.
22. What are the uses of rose oil?
23. Briefly describe IR Spectroscopy?

24. Write a note on alkaloids
25. Explain organoleptic evaluation
26. What are the ayurvedic formulations of *Aloe vera*?
27. Explain TLC

(5 x 5 = 25)

PART D

IV. Answer ANY TWO questions; each question carries 12 marks.

28. Give an account on the extraction of lemon grass oil. Add a note on its properties
29. Explain the principle and different methods of chromatography.
30. Describe the phytochemistry and pharmacological uses of *Datura stramonium* and *Punica granatum*.
31. Describe the properties classification and functions of triterpenoids.

(12 x 2 = 24)