

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

**B.PHARM. DEGREE EXAMINATION – July 2021
Fifth Semester**

PHARMACOGNOSY AND PHYTOCHEMISTRY - II

Time : Three hours

Maximum: 75 marks

I. Write essays on any **TWO** questions: (2 x 10 = 20)

1. What are Terpenoides? Discuss about its composition and classification and explain about one in detail.
2. Chromatography techniques for isolation, Purification and identification of Phytoconstitutes.
3. Write in detail Industrial production and application of Digoxin.

II. Write short answers on any **SEVEN** questions: (7 x 5 = 35)

4. Isolation and identification of Reserpine.
5. What is Volatile oil? Chemical composition of volatile oil in Fennel.
6. Aloes – bio source, therapeutic uses and commercial applications.
7. Chemical tests for Glycosides.
8. What are resins? Write on benzoin.
9. Secondary metabolites and add a note on Aminoacid pathway.
10. Tea contains Flavanoids. Comment and write on Flavanoids.
11. Tannins and its commercial applications.
12. Plant steroids.

III. Write short notes on : (10 x 2 = 20)

13. Source and constituents of Liquorice.
14. Caffeine – chemical test.
15. Pharmaceutical application of Diosegenin.
16. Source, constituents and uses of Senna.
17. Cinnamon-biosources and commercial application.
18. List extraction methods.
19. Therapeutics uses of Vincristine.
20. Myrrh its source and use.
21. Belladonna.
22. UV for identification of phyto constituents.