

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)**

**Pharm.D DEGREE EXAMINATION - February 2020
Second Year**

PHARMACOGNOSY AND PHYTOPHARMACEUTICALS

Time: Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x15 = 30)

1. Define pharmacognosy. Write a brief note on history of pharmacognosy.
2. Write a detailed monograph on any one leaf drug containing alkaloid as a phytocomponent.
3. What is essential oil? Explain the different methods of extraction and analysis of essential oil?

II. Write short answers on any **SIX** questions: (6 x 5 = 30)

4. Pharmacological classification of crude drugs.
5. Processing and storage of crude drug.
6. Describe any one important cell constituents and their significance.
7. Morphology of Fennel and Coriander.
8. Qualitative test for 'O' type anthracene glycosides.
9. Write a short note on complex polysaccharide from marine.
10. Analysis of lipids.
11. Chemistry and classification of proteins.

III. Write short notes on any **FIVE** question: (5 x 2 = 10)

12. Alphabetical classification of crude drug
13. Active component of liquorice.
14. Detection of artificial invert sugar in Honey.
15. Define proteins.
16. Biological source and uses of pyrethrum.
17. Admixture.
