

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

**Pharm.D DEGREE EXAMINATION - July 2019
Second Year**

PHARMACOGNOSY AND PHYTO PHARMACEUTICALS

Time: Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x 15 = 30)

1. Describe about the cultivation and collection of crude drugs.
2. Elaborate on the method of extraction, chemistry and analysis of lipids.
3. Write in detail about volatile oil crude drug with microscopical diagram.

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

4. Taxonomical and chemotaxonomical classification of crude drug.
5. History and scope of pharmacognosy.
6. Cell wall constituents and cell inclusions.
7. Write a note on natural pesticides.
8. Starch and honey.
9. Explain about protein containing drugs.
10. Difference between silk and wool.
11. Processing of crude drugs.

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

12. Morphology of clove.
13. Chemical test for gelatin.
14. Define saponification value.
15. Define carbohydrate
16. Chemical constituent and uses of acacia and tragacanth.
17. Powder character of cinchona
