

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

**Pharm.D DEGREE EXAMINATION - August 2018**  
**Second Year**

**PHARMACOGNOSY AND PHYTO PHARMACEUTICALS**

Time: Three hours

Maximum: 70 marks

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

1. Discuss the development and scope of pharmacognosy. Explain its contribution in the development of modern medicine.
2. What is Gelatin? Give the methods of preparation, active principle, chemical test and uses of Gelatin.
3. Elaborate the microscopy, morphological, chemical constituents, uses and identification test for leaf drug belonging to Solanaceae.

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

4. Pharmacological and chemical classification of crude drug.
5. Role of plant growth regulator in cultivation of medicinal plants.
6. Define and classify trichome with example.
7. Write a note on tobacco.
8. Morphology and Microscopy of Coriander.
9. Analysis of lipids.
10. Qualitative evaluation of protein.
11. Write about the method of preparation of cotton.

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

12. Morphology of Ginger.
13. Storage of crude drug.
14. Chemical test for honey.
15. Types of vascular bundle.
16. Test for cinchona alkaloids.
17. Acid value and its significance.