

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

**B.PHARM. DEGREE EXAMINATION – JULY 2019
Fourth Semester**

PHARMACOGNOSY AND PHYTOCHEMISTRY - I

Time : Three hours

Maximum: 75 marks

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

1. Define Pharmacognosy. Write a note on present scope and development of Pharmacognosy.
2. Define tissue culture and explain its merits and demerits. Briefly explain about the callus culture.
3. a) Define alkaloids and classify the alkaloids. (5)
b) Write a note on pharmacognostical details and preparation of Honey. (3)
c) Detail the chemical test for Honey. (2)

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

4. Discuss the classification of crude drugs based on phytoconstituents.
5. Explain about the preparations of Ayurveda containing alcohols.
6. Physical method of evaluation of crude drugs.
7. Give a pharmacognostic account of cotton.
8. Source, preparation, chemical nature and uses of papain.
9. Homoeopathic system of medicines.
10. Hairy root culture.
11. Chemical tests for identification of glycosides.
12. Explain the factors affecting the cultivation of medicinal plants.

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

13. Gums and mucilages.
14. Define chemotaxonomy.
15. Define the terms mulching, felling and coppicing.
16. Define natural allergens.
17. Hallucinogens.
18. Sub culture.
19. Importance of Lycopodium spore method.
20. Teratogens
21. Deterioration of crude drugs.
22. Edible vaccines.