

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

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

PHARMACOGNOSY AND PHYTOCHEMISTRY - I

Time : Three hours

Maximum: 75 marks

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

1. What is Resin? Discuss about their properties and explain the test for identification of Resins.
2. Define Fibers. Classify them and write their general chemical tests. Explain in detail about any one plant fiber.
3. What are glycosides? Classify them with suitable examples. Give any two tests for Identification of glycosides.

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

4. How will you evaluate crude drug by physical methods?
5. Discuss about the role of auxins and gibberellins in cultivation of a medicinal plants.
6. i) Seliwinoff's test ii) Keller Killiani test
7. Define natural allergens. How they are classified?
8. Give the preparation and uses of papain.
9. What are methods involved in extraction of volatile oil?
10. Cell suspension culture and its application.
11. Give the note on chemotaxonomy, sero taxonomy.
12. Hormones from animal source.

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

13. Source and use of tragacanth.
14. Define palisade ratio.
15. Chemical test for honey.
16. What are teratogens?
17. Preparation of agar.
18. Totipotency.
19. Shinoda test.
20. Uses of urokinase.
21. Define ayurveda.
22. What is chromatography?
