

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

**B.PHARM. DEGREE EXAMINATION – October 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. Describe in detail about the nutritional requirements of plant tissue culture.
2. How crude drugs are classified? Explain pharmacological and chemical classification with example.
3. Define alkaloids. Give chemical classification with example. Write the properties and Identification tests of Alkaloids.

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

4. Quantitative Microscopy.
5. Chemical test for acacia.
6. Bees wax.
7. Biological evaluation of crude drugs.
8. Balasamic resinous drug.
9. Hybridization in medicinal plants.
10. Streptokinase.
11. Principle of Homeopathy.
12. Marin drugs.

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

13. Define Vein Islet Number and Veinlet Termination Number.
14. Define crude drug and unorganized drug.
15. Gold beater's skin test.
16. Chemical constituents of Hemp.
17. Treatment of allergy.
18. Plant tissue culture.
19. Garbling.
20. Source and used of Chaullmoogra oil.
21. Classify fixed oil.
22. Traditional system of medicine.

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