

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

**Pharm.D DEGREE EXAMINATION - September 2021**  
**Second Year**

**PHARMACOGNOSY AND PHYTOPHARMACEUTICALS**

Time: Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x15 = 30)

1. Explain the different methods of crude drug classification with suitable example.
2. Explain the different methods of cultivation. Mention their merits and demerits.
3. Define and classify lipids with suitable examples. Explain the different analytical parameters for fixed oils.

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

4. Scope of pharmacognosy.
5. Write a note on cell inclusions.
6. Morphology of Datura.
7. Write the source, active principle and uses of the following
  - i) Aerial drug containing Non Heterocyclic Alkaloids
  - ii) Roots and stolon containing saponin glycosides.
8. Collection and preparation of Agar.
9. Chemistry of essential oil.
10. Cotton.
11. Unintentional adulteration.

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

12. Storage of crude drugs.
13. Powder characters of Senna.
14. Herbicide.
15. Source for Gelatine.
16. Active constituents of pyrethrum.
17. Selwinof's test.

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