

**QP CODE: 203326**

**Reg. No: .....**

**Second Year Pharm D Degree Supplementary Examinations  
December 2019**

**Pharmacognosy & Phytopharmaceuticals**

**Time: 3 Hours**

**Total Marks: 70**

- **Answer all Questions.**
- **Draw Diagrams wherever necessary.**

**Essays**

**(3x10=30)**

1. Explain the various methods involved in the cultivation of crude drugs with suitable examples.
2. Write the source, method of extraction, chemistry and method of analysis of lipid containing drugs
3. What is agar. How they are prepared from marine sources. Write the pharmaceutical importance of agar.

**Short notes**

**(8x5=40)**

4. Chemotaxonomical classification of crude drugs
5. Storage of crude drugs
6. Explain cell inclusions and their functions
7. What are the various quantitative methods used to check the purity of fixed oil
8. What are the general extraction methods of essential oils
9. Chemistry of proteins
10. Explain absorbent cotton.
11. Explain the following terms:
  - Admixture
  - Sophistication
  - Spoilage
  - Inferiority and
  - Deterioration

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