

Second Year Pharm D Degree Examinations - October 2012

Pharmacognosy & Phytopharmaceuticals

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Discuss in detail about various types of classifications of crude drugs giving examples.
2. Define lipids. Mention the sources of any two drugs containing lipids and their method of extraction & analysis.

Short notes

(10x3=30)

3. Explain the different methods of cultivation of crude drugs.
4. Describe any three important cell constituents and their significance.
5. Mention the important histological characters of a crude drug derived from flower part.
6. Principle and significance of Iodine value in a lipid.
7. Describe briefly about any three methods of adulteration of crude drugs with examples.
8. Methods of analysis of a protein containing crude drug.
9. Mention any three natural pesticides you have studied and give their significance.
10. Mention three fibers derived from plant and give their biological sources and uses.
11. Explain the method of extraction of fixed oils from seeds.
12. What are the important diagnostic characters that can be observed externally in Leaf drugs?.

Answer briefly

(10x2=20)

13. Define pharmacognosy
14. Precautions to be taken while storing crude drug.
15. What are the cell wall constituents and cell inclusions.
16. What are polysaccharides? Give the names of two carbohydrate containing drugs
17. Define swelling factor. Mention two drugs containing mucilage.
18. Mention the various reagents used in the study of microscopy of a crude drug.
19. Differentiate between raw cotton and absorbent cotton.
20. Powder characters of nux vomica
21. Acid value.
22. Mention the source, confirmatory chemical test and uses of a carbohydrate containing crude drug.