

**Fourth Semester B.Pharm Degree Supplementary Examinations
November 2022
Pharmacognosy and Phytochemistry I
(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

Essays

(2x10=20)

1. Enumerate the different methods of classification of crude drugs of natural origin. Explain the morphological and chemical classification.
2. Write the definition, classification, properties and general chemical tests for the identification of alkaloids.

Short Notes

(7x5=35)

3. Explain the physical evaluation of crude drugs.
4. Lycopodium spore method.
5. Plant hormones and its applications.
6. Write the principle involved in the siddha system of medicine.
7. Define and classify volatile oils with suitable examples.
8. Describe the biological source, chemical constituents and uses of cannabis and colchicum.
9. Write the source and method of preparation of castor oil.

Answer Briefly

(10x2=20)

10. Different sources of crude drugs.
11. Merits and demerits of taxonomical classification of crude drugs.
12. Enumerate the different factors influencing cultivation of medicinal plants.
13. Define mutation and polyploidy.
14. Define edible vaccines.
15. Chemical test for the identification of O glycosides.
16. Biological source and uses of jute.
17. Fiehe's test.
18. Source and therapeutic uses of Chaulmoogra oil.
19. Name any four anticancer drugs from marine source.