

QP Code: 425006

Reg. No.....

**Fourth Semester B.Pharm Degree Regular/Supplementary  
Examinations March 2023  
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. Explain in detail about cultivation, collection, processing and storage of drugs of natural origin.
2. Define plant tissue culture and explain in detail about types of culture, nutritional requirements for growth and their maintenance.

**Short Notes**

**(7x5=35)**

3. Write a short note on chemical and pharmacological classification of drugs.
4. Explain in brief about physical methods of evaluation of crude drugs.
5. Write the identification tests for flavonoids and tannins.
6. Explain about biological source, chemical constituents and uses of Veratrum and tobacco.
7. Write the source, chemical constituents, chemical tests and uses of gelatin.
8. Write a short note on principle of Chinese system of medicine.
9. Discuss marine drugs as a source of cardiovascular agents with example.

**Answer Briefly**

**(10x2=20)**

10. Define Pharmacognosy.
11. Write a note on drug adulteration.
12. Define polyploidy.
13. Define in situ conservation of medicinal plants.
14. Define glycosides with examples.
15. Write a brief note on source and therapeutic uses of castor oil.
16. Write a brief note on source and therapeutic uses of papain.
17. Role of pharmacognosy in Siddha system of medicine.
18. Enlist the methods used to determine the leaf constant.
19. Define and write a note on functions of cytokinin.

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