

**Fifth Semester B. Pharm Degree Supplementary Examinations**  
**January 2021**  
**Pharmacognosy and Phytochemistry II**  
**(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 table/diagrams/flow charts wherever necessary*

**Essays****(2x10=20)**

1. Illustrate in detail pharmacognosy of cinchona Bark
2. Explain the Industrial production method and pharmaceutical applications of Vinca alkaloids.

**Short Notes****(7x5=35)**

3. Asafoetida
4. Explain the term Alkaloids and recall general chemical test for alkaloids.
5. Summarize the use of electrophoresis in phytochemical analysis
6. Adulterants of Clove
7. Discuss the powder microscopical characters of fennel with diagram.
8. Write the pharmacognosy of benzoin
9. Describe the principle involved in Gas chromatography and its applications in pharmacognosy.

**Answer Briefly****(10x2=20)**

10. How will you identify caffeine in tea dust
11. Explain competitive feeding
12. Mention the biological source and constituents of liquorice rhizome
13. Define carotenoids
14. Explain the biological source and use of dioscorea
15. Compare the stomata present in digitalis leaf and senna leaf with diagram.
16. Mention the therapeutic use of Bitter almond
17. Explain the medicinal uses of Pterocarpus
18. List out any two uses of Forskolin
19. Recall the drug used in cerebral malaria and its sources.

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