

QP Code: 524006

Reg. No.....

**Fifth Semester B. Pharm Degree Regular/Supplementary  
Examinations November 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. Outline the Acetate pathway and explain its significance.
2. Discuss in detail the modern methods of extraction of phytoconstituents.

**Short Notes**

**(7x5=35)**

3. Explain the microscopical characters of Rauwolfia with neat labelled diagram.
4. Compare the method of collection and macroscopy of four types of Aloes.
5. Explain the industrial production and utilization of Taxol.
6. Colophony.
7. Explain the industrial production and pharmaceutical applications of Vinblastine.
8. Cultivation and collection of opium.
9. Explain the biological sources, chemical constituents and uses of Dioscorea.

**Answer Briefly**

**(10x2=20)**

10. Vitali-Morin Reaction
11. Keller-Kiliani Test.
12. Explain the biological source, chemical constituents and uses of Mentha.
13. Biological source and family of Tea.
14. Principle involved in Paper Chromatography.
15. Explain the biological source and uses of Bitter Almond.
16. Chemical constituents and uses of Ruta.
17. Chemical constituents and uses of Pterocarpus.
18. Explain the biological source and family of Gentian.
19. Source and uses of any two Carotenoids.

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