

**QP Code: 524006**

**Reg. No.....**

**Fifth Semester B. Pharm Degree Supplementary Examinations  
November 2024**

**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. Explain Acetate mevalonate pathway
2. Explain the Soxhlet extraction with a neat labelled diagram

**Short Notes**

**(7x5=35)**

3. Discuss the various methods of tracer technique
4. Write a note on Cinnamon bark
5. Principle of UV- VIS spectroscopy
6. Write a note on cardiac glycosides
7. Explain the various development techniques in paper chromatography
8. Discuss the industrial production of Digoxin
9. Pharmacognosy of Cinchona

**Answer Briefly**

**(10x2=20)**

10. Principles of chromatography
11. Combined Umbelliferone test
12. Taxus
13. Chemical constituents and uses of Vinca
14. Autoradiography
15. Carotenoids
16. Microwave assisted extraction
17. Biological source and uses of Aloes
18. Distinguish Pale catechu and black catechu
19. Give the biological source and uses of Myrrh

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