

**QP Code: 524006**

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

**Fifth Semester B. Pharm Degree Regular/Supplementary  
Examinations May 2025  
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 the Shikimic acid pathway and specify the various secondary metabolites formed through their pathway
2. Discuss in detail about Senna

**Short Notes**

**(7x5=35)**

3. Autoradiography
4. Differentiate Sumatra benzoin and Siam benzoin
5. Explain the microscopy of Clove
6. Supercritical Fluid extraction
7. Various development techniques in paper chromatography
8. Discuss the industrial production of Taxol
9. Classify Glycosides

**Answer Briefly**

**(10x2=20)**

10. What is R<sub>f</sub> value
11. Gold beater's skin test
12. Name any two colored and liquid alkaloids
13. Chemical constituents and uses of Cinchona
14. Adsorption chromatography
15. Define alkaloids
16. Applications of HPTLC
17. Biological source and uses of Liquorice
18. Chemical constituents and uses of ginger
19. Biological source and chemical constituents of Ephedra

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