

QP Code: 524006

Reg. No.....

**Fifth Semester B. Pharm Degree Regular Examinations January 2020
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. Write the biological source, family, cultivation, collection, microscopy, chemical constituents and uses of clove.
2. Elaborate on various chromatographic techniques for isolation and purification of phytoconstituents.

Short Notes

(7x5=35)

3. Pharmacognosy of Belladonna.
4. Constituents of digitalis.
5. Difference between fennel and coriander.
6. Microscopy of Liquorice with diagram.
7. Cultivation of Cinnamon.
8. Chemical test of Pale Catechu.
9. Industrial production and pharmaceutical application of Podophyllotoxin.

Answer Briefly

(10x2=20)

10. Principle and applications of Thin Layer Chromatography.
11. Source, family, constituents and uses of Taxus.
12. How is the pungency of ginger destroyed.
13. Write the source for four varieties of Aloes.
14. Gambier Fluorescein test.
15. Combined umbelliferone test
16. Write the chemical test for Cinnamon
17. Murexide Test
18. Adulterants and substituents of Digitalis.
19. Any two powder microscopical characters of Ephedra.
