

Third Year B.Pharm Degree Supplementary Examinations July 2018

**Pharmacognosy II
(2010 Scheme)**

Time: 3 Hours

Total Marks: 100

- **Answer all Questions**

Essays

(3x10=30)

1. Differentiate Rhubarb and Cascara macroscopically and microscopically with suitable diagrams. Mention their uses.
2. Define ergot. Outline the cultivation and collection, chemical constituents, adulterants and uses of ergot.
3. Explain the biosynthesis of aromatic amino acids with the help of a suitable pathway.

Short notes

(14x5=70)

4. Hot extraction methods.
5. Preparation, identification tests and uses of papain.
6. Preparation of gelatin and its significance in pharmacy.
7. Application of TLC in evaluation of herbal drugs.
8. Methods of preparation of arishtas.
9. Marketed formulations and uses of Amla and Arjuna.
10. Microscopy of Cinchona
11. Powder characters of ephedra.
12. Super critical fluid extraction technique and its significance.
13. Methods to detect adulterants of saffron
14. Paper chromatography – principle and procedure
15. Commercial varieties of ginseng and dioscorea.
16. Novel therapeutic agents having CVS activity from marine source
17. Lehyas.
