

2012 scheme

QP CODE: 413006

Reg. No:

**Final Year B.Pharm Degree Regular/Supplementary Examinations
April (November), 2020
Pharmacognosy – III**

Time: 3 Hours

Total Marks: 100

- *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 Diagrams wherever necessary*

Essays

(3x10=30)

1. Define tissue culture. Explain the types of plant tissue culture and application of tissue culture in pharmacy.
2. Mention the possible precursors for Biosynthesis of Hyoscyamine. Explain the Biosynthesis of Tropane Alkaloids.
3. Discuss various methods of Adulteration of crude drugs with suitable examples. How chemical tests are useful in detecting the adulterants

Short notes

(14x5=70)

4. Biosynthesis of Digoxin
5. Brief notes on the evaluation of herbal formulations with examples.
6. Active constituents and uses of any two herbal drugs commonly used in herbal cosmetics.
7. Export potential of medicinal plants in India by giving examples.
8. Source, Chemistry and Pharmacological activity of Quinine
9. Define patent. Give importance of patenting of Herbal Drugs.
10. Mass spectra approaches of natural molecule
11. WHO guidelines to evaluate Herbal Drugs
12. Gene mapping of Medicinal plants.
13. An account of plant based industries in India
14. In situ conservation of biodiversity
15. Chemistry of Flavanoids
16. Herbaceous Health Foods.
17. Biogenesis of Ephedrine
