

PHARMACOGNOSY - III

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Explain biogenesis of quinine in detail
2. Discuss the WHO guidelines adopted in evaluation of crude drugs
3. Explain the types of cultures and applications of plant tissue culture

Short notes

(14x5=70)

4. Evaluation of herbal formulations for topical use
5. Endangered and endemic plants species of India
6. Plant based industries
7. Chemistry of digitalis glycosides
8. Role of chemical tests in qualitative testing of phyto constituents
9. Biogenesis of terpenes
10. Indole alkaloids
11. Omega 3 fatty acids
12. Cosmeceuticals of natural origin
13. Adulteration for crude drugs
14. Nutritional requirements in plant tissue culture
15. Biogenesis of tropic acid
16. Worldwide trade of aloes
17. Gene mapping
