

Final Year B.Pharm Degree Examinations – June 2016

PHARMACOGNOSY – III
(2012 scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Describe the biogenesis of cardiac glycosides via squalene by acetate mevalonate pathway.
2. Discuss in detail on gene transfer, transgenic plants and DNA finger print analysis
3. Describe briefly the world-wide trade in aloes and digitalis

Short notes

(14x5=70)

4. Stereo isomerism and its role in natural products
5. General biogenetic pathway of terpenes.
6. Therapeutic uses and pharmacological actions of cardiac glycosides
7. Herbal drug patenting
8. Evaluation of herbal formulations
9. Chemistry of flavonoids
10. Role of plant growth regulators in plant tissue culture
11. Development of herbal formulations
12. In situ conservation of biodiversity
13. Trading of plants with laxative principles
14. Herbal health foods
15. Standards for herbal cosmetics
16. Determination of pesticide residue and aflatoxin as per WHO
17. UV- Visible and fluorescence spectroscopic methods and its applications in herbal drug analysis.
