

Final Year B.Pharm Degree Supplementary Examinations –

December 2015

PHARMACOGNOSY - III

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Explain in detail the different methods of conservation of medicinal and endangered plants. What are the threats in safeguarding biodiversity.
2. Define the plant tissue culture technique and explain its advantages. Enumerate the nutritional requirements to carry out the in vitro cultivation.
3. Explain the WHO guidelines in the evaluation of crude drugs. How do you assess the presence of heavy metals in the crude drugs

Short notes

(14x5=70)

4. Chemistry and biosynthesis of digitoxin
5. Application of UV spectral technique for the analysis of natural products
6. The role of stereoisomerism in the biological activity with one example
7. Hairy root culture technique
8. Trade of ginseng
9. Chemistry and important uses of flavanoids
10. Explain the advantages of transgenic plants
11. Name the plants used for the herbal cosmetic preparation
12. Chemistry and uses of reserpine
13. Plant based industries in India
14. The importance of DNA finger printing
15. The role of medicinal plants in the national economy
16. Name five biologically important monoterpenes and its uses
17. Source and chemistry of diosgenin.
