

Final Year B.Pharm Degree Supplementary Examinations January 2017

**PHARMACOGNOSY – III
(2010 scheme)**

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Explain in detail the chemistry and uses of two medicinally important flavonoids. Mention the biogenesis of flavanoids.
2. Classify terpenes. Define monoterpenoids with suitable examples. Explain the biogenetic pathway and uses of monoterpenoids.
3. Enumerate the quality control guidelines and methods for assessing radioactive contaminants and pesticide residue in medicinal plant materials

Short notes

(14x5=70)

4. Research institutions involved in work on medicinal and aromatic plants in India
5. Chemistry of triterpenoid saponins
6. The role of mass spectroscopy in the natural product analysis
7. Chemistry, structure and biological activity of papaverine and quinine
8. Trade of liquorice
9. Herbs used as nutraceuticals
10. Idealized design of a small plant tissue culture laboratory with help of a neat diagram
11. Sources and the uses of two diterpenoids
12. Explain the different types of adulteration
13. Biological evaluation of crude drugs
14. MS media in tissue culture technique
15. Gene mapping of plants
16. Advantages of transgenic plants
17. Conservation of biodiversity and its importance
