

PHARMACOGNOSY II

Time: 3 Hours

Total Marks: 100

- Answer all Questions.

Essay

(3x10=30)

1. Outline a detailed schematic representation of biosynthesis of aromatic amino acids.
2. Describe the detailed pharmacognostic features of rauwolfia serpentina
3. Explain the significant chemical tests and uses of the following:
 - Digitoxin in digitalis
 - Aloin in aloes
 - Strychnine in nuxvomica
 - Caffeine in coffee

Short notes

(14x5=70)

4. Differences between rhubarb and cascara chemically
5. Gymnema
6. Preparation of asavas
7. Tylophora
8. Microscopic features of datura and ephedra
9. Applications of thin layer chromatography
10. Hot extraction methods
11. Preparation and uses of papain
12. Spirulina
13. Novel cardio vascular agents from marine source
14. Marketed formulations of amla, punarnava and chirata
15. A detailed method of cultivation and processing of tobacco
16. Different stages in the preparation of bhasmas
17. Microscopy and macroscopy of senna