

## Third Year B.Pharm(Ayurveda) Degree Examinations, October 2015

## Pharmacognosy II

Time : 3 Hours

Total Marks:100

- Answer all questions

## Essays:

(2x10=20)

1. Explain the biological source, cultivation, chemical constituents, adulterants, chemical tests and important medicinal uses of digitalis. (1+2+2+2+2+1=10)
2. Define and classify different types of chromatographic techniques. Explain the principle and procedure involved in thin layer chromatography (T.L.C). (2+2+3+)

## Short notes:

(10x5=50)

3. Role of medicinal and aromatic plants in national economy.
4. Define and classify enzymes. Mention the biological source, properties and uses of pancreatin.
5. Cardiac glycosides.
6. Explain shikimic acid path way.
7. Biological source, macroscopy, chemical constituents and uses of nux-vomica.
8. Tailas(तैल) and churnas(चूर्ण).
9. Define and classify glycosides. Explain any one drug containing glycosides.
10. Explain acetate-mevalonate pathway.
11. Discuss biological source, chemical constituents, macroscopy and uses of gentian.
12. Explain the life cycle of ergot and give its biological source.

## Answer briefly:

(10x3=30)

13. Biological source, chemical constituents, uses and important formulations of guggulu (गुग्गुलु).
14. Biological source, chemical constituents, uses and important formulations of ashoka.
15. Biological source, chemical constituents, uses and important formulations of brahmi.
16. Biological source, chemical constituents, uses and important formulations of shankhapushpi(शङ्कपुष्प).
17. Biological source, chemical constituents, uses and important formulations of thevetia.
18. Biological source, chemical constituents and uses of vasaka(वासक).
19. Biological source, chemical constituents and uses of ashwagandha(अश्वगन्ध).
20. Biological source, chemical constituents and uses of psoralea.
21. List out the applications of chromatographic techniques in evaluation of herbal drugs.
22. Bitter glycosides.

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