

**Third Year B.Pharm Degree Supplementary Examinations  
November 2018  
Pharmacognosy II**

**(2012 Scheme)**

**Time: 3 Hours**

**Total Marks: 100**

- **Answer all Questions**

**Essays**

**(3x10=30)**

1. Describe the various types of chromatography techniques used in evaluation of herbal drugs.
2. Describe in brief about various types of modern extraction techniques.
3. Discuss in brief the isoprenoid synthesis and its pharmaceutical importance.

**Short notes**

**(14x5=70)**

4. Sources, chemical constituents and uses of imidazole alkaloid containing drug.
5. Chemical test for identification of tropane alkaloids.
6. Definition and preparation of Lehyas along with one example.
7. Define chemotaxonomy and its significance along with examples.
8. Detailed microscopy of senna leaves.
9. Applications of marine pharmacognosy in drug discovery along with examples.
10. Chemical constituents and chemical tests for aloe and senna.
11. Botanical sources and chemical constituents of Lahsun and Neem.
12. Biological sources, preparation and identification tests of papain.
13. Detailed microscopical studies of ipecac.
14. Purine alkaloids with examples and chemical test.
15. Define and classify allergenic extracts.
16. The chemical test to detect cinchona alkaloids and anthraquinone glycosides.
17. Mention any two marketed formulations containing Shilajit along with its uses.

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