

**Third B.Pharm (Ayurveda) Degree Examinations, October 2017**  
**Pharmacognosy II**

**Time : 3 Hours****Total Marks:100**

- **Answer all questions**

**Essays:****(2x10=20)**

1. Explain the source, cultivation, chemical constituents, diagnostic characteristics and uses of digitalis.
2. Define enzymes. Explain about diastase and papain.

**Short notes:****(10x5=50)**

3. Explain about plant sweeteners
4. Discuss on senna(सेन).
5. Explain Shikimic acid path way.
6. Arjuna( अर्जुन ).
7. Discuss about rasna.
8. Explain churnas( चूर्ण ) and tailas( तैल ).
9. Botanical source, macroscopy, microscopic features and chemical constituents of rauwolfia.
10. Discuss on vasaka( वासक ).
11. Botanical source, active constituents, uses and formulations of satavari( शतावरि ) and punarnava( पुनरनव ).
12. Explain the pharmacognosy of ephedra.

**Answer briefly:****(10x3=30)**

13. Applications of column chromatography.
14. Explain physical and chemical properties of alkaloids.
15. Differentiate pepsin and trypsin.
16. General chemical test for glycosides.
17. Gutikas ( गुडिक ).
18. Source, cultivation and chemical constituents of coffee.
19. Chromatography.
20. Applications of high performance liquid chromatography (HPLC).
21. Bhasmas ( भस्म ).
22. Asavas ( आसव ).

\*\*\*\*\*