

Third Year B.Pharm Degree Examinations June 2019

**Pharmacognosy II
(2012 Scheme)**

Time: 3 Hours

Total Marks: 100

- **Answer all Questions**

Essays

(3x10=30)

1. Describe the various principles involved in Ayurveda system of medicine and describe in brief the definition and method of preparation of Asavas and Bhasmas.
2. Describe the botanical source, morphology, chemical constituents, uses and marketed formulations of Shilajith and Neem
3. Describe in brief the Shikimic acid pathway and acetate mevalonate pathway.

Short notes

(14x5=70)

4. Sources, chemical constituents and uses of glyco-alkaloid containing drug.
5. Principle and procedure of identification test for anthraquinone O glycoside and C glycosides.
6. Super critical fluid extraction.
7. Classify allergens and allergen extracts.
8. Detailed microscopy of ephedra.
9. Applications of chromatographic technique in evaluation of herbal drugs.
10. Chemo taxonomical significance of alkaloids.
11. Biological sources and chemical constituents of ginseng and saffron.
12. Biological source, preparation and uses of bromelain and papain.
13. Detailed microscopical studies of cinchona bark.
14. Ergot alkaloids
15. Define marine pharmacognosy and its importance in anticancer drug discovery with examples.
16. Chemical test for identification of purines.
17. Mention any two marketed formulations containing Gokhru and their uses.
