

**II B.Pharmacy II Semester Supplementary Examinations, Nov - 2016
PHARMACOGNOSY-II**

Time: 3 hours

Max Marks: 75

**Answer any FIVE Questions
All Questions carry equal marks**

1. (a) Write the biological source, active constituents and uses of Senna.
(b) Explain the cultivation and collection, Macro and Microscopical features, chemical tests of senna. [6+9]
2. (a) Give an account of chemical constituents, test for identification of Datura.
(b) Write the specific test for identification of atropine.
(c) Describe the microscopical characters of datura. [5+5+5]
3. (a) Write the Biological source, chemical constituents and uses of Cinchona.
(b) Write the pharmacognosy of Ephedra. [5+10]
4. (a) How do you differentiate between pale catechu and black catechu?
(b) Give biological source, chemical constituents and uses of myrobalan. [7+8]
5. (a) Differentiate Sumatra and Siam Benzoin by chemical tests.
(b) Write the chemical constituents and adulterants for Asafoetida and Balsam of Tolu. [8+7]
6. (a) Write a note on the source, properties of Trypsin.
(b) Give the identification tests and Uses for:
(i) Pepsin (ii) Pancreatin [8+7]
7. Give the biogenetic pathway for synthesis of Atropine and hyoscyamine in plants [15]
8. Discuss the role played by natural dyes in pharmaceutical industries quoting suitable examples. [15]
