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R10

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]
