

Pharmacy,

Code No. 8051 / S

**FACULTY OF PHARMACY****B.Pharmacy 3/4 I-Semester (Supplementary) Examination, April 2015****Subject : Pharmacognosy - II****Time : 3 Hours****Max. Marks: 70****Note: Answer all questions. All questions carry equal marks.**

- 1 (a) Write the systemic pharmacognostic study of cinchona. (6)  
(b) Give the adulterants and distinguish characters of nuxvomica and Rauwoltia. (4)  
(c) Write the chemical constituents with structures and uses of Vinea. (4)  
**OR**  
(d) Write the sources, chemistry and therapeutic properties of Opium and Kurchi. (8)  
(e) Define and classify alkaloids with examples. Describe alkaloidal precipitating reagents and their utility. (6)
- 2 (a) With a neat labeled diagram, describe the morphological and microscopial characters of senna. (6)  
(b) Write the Biological source, chemical nature and uses of (i) Digitalis (ii) gymnema (8)  
**OR**  
(c) Define and classify the glycosides with suitable examples. (6)  
(d) Write the Biological source, chemical nature and uses of (i) Ashwagandha (ii) Momordica (8)
- 3 (a) Write the isolation and estimation of caffeine from Tea. (6)  
(b) Write the chemical nature, identification test and uses of (i) Cinnamon (ii) Artemisia (8)  
**OR**  
(c) Write the isolation and estimation of sennosides from Senna. (7)  
(d) Write the chemical nature and uses of : (i) Taxus (ii) Turmeric (7)
- 4 (a) Write a note on biotransformation. (5)  
(b) Discuss the nutritional requirements of an Ideal plant tissue culture medium. (9)  
**OR**  
(c) Give the details of biomedicinals produced at higher yields by plant tissue culture. (9)  
(d) Explain the process of organogenesis and its utility. (5)
- 5 (a) Write about quality control and standardization of Raw materials. (9)  
(b) Give the preparation of Asawa and Bhasma. (5)  
**OR**  
(c) Write the practice and regulations of herbal medicines in India. (8)  
(d) Describe different dosage forms prepared in Ayurveda . Write the preparation of Ghritams. (6)

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