

**FACULTY****B. Pharmacy 3/4 I – Semester (Supplementary) Examination, April 2016****Subject : Pharmaconosy II****Time : 3 hrs****Max. Marks : 70****Note: Answer all questions. All questions carry equal marks.**

- 1 a) Describe the microscopy of Cinchona and Rauwolfia. 5+9  
b) Write the chemistry and therapeutic properties of Vinca, Shankhapushpi and punernava.
- OR**
- c) Write a note on Isolation of alkaloids. 5+9  
d) Write the srces, chemical and therapeutic properties of Opium and ipecac.
- 2 a) Discuss the chemistry of cardiac lycosides. 5+9  
b) Write the srces, chemical and therapeutic properties of Liquorice, Momordica and Ammi.
- OR**
- c) ive the adulterants and distinuish characters for Senna and diitalis. 5+9  
d) Write the srces, chemical and therapeutic properties of Psoralia, okhru and brahmi.
- 3 a) ive the chemical structure and isolation of Quinine from cinchona and caffeine from tea. 8+6  
b) ive the srces and chemical constituents of Artemisia, Taxus a and Podophyllum.
- OR**
- c) Define and classify the resins with examples. 5+9  
c) Discuss the chemical constituents and therapeutic properties of Turmeric, clove and capsicum.
- 4 a) Write abt  
i) Surface sterilization ii) Immobilization of culture iii) Oranoensis 4+5+5
- OR**
- b) Write the advantaes of plant tissue culture. 5+9  
c) ive an informative note on embryo culture and biotransformation
- 5 a) Discuss the importance of plants in discovery of new drus. 6+8  
b) Write a note on traditional systems of medicines practiced in India.
- OR**
- c) Discuss the problem in standardization of Herbal medicines. 5+9  
d) Define and ive the method of preparation of hritams, Asawas and Aristavas.

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