

FACULTY**B. Pharmacy 3/4 I Semester (Suppl.) Examination, April 2018****Subject : Pharmaconosy II****Time : 3 Hrs****Max. Marks: 70****Note: Answer all questions. All questions carry equal marks.**

- 1 (a) Define and classify the alkaloids. Write the eneral method for isolation of alkaloids. (8)
(b) ive the chemical structure and specific use of : (6)
(i) Morphine (ii) Quinine (iii) Ephedrine
OR
(c) ive an informative note on chemistry of alkaloids. (5)
(d) Write the chemical test, adulterant and distinuished character from adulterants of
(i) Cinchona (ii) Rauwolfia (iii) Nuxvomica (9)
- 2 (a) Write the src es, dianostic microscopic characters, chemistry and uses of (i) Diitalis (ii) Senna (7+7)
OR
(b) Discuss the srces and importance of anthracene lycosides. (5)
(c) Write the srce, chemistry and uses of (9)
(i) ymnema (ii) Dis ocoreia (iii) Brahmi
- 3 (a) ive the chemical structure, Chemical test, srces and isolation of (i) Caffeine (ii) Quinine (iii) Sennosides
OR
(b) Define volatile oils and write the eneral methods of volatile oils isolation.
(c) ive the chemical structure, srces and specific use of
(i) Artemisinin (ii) Curcumin (iii) Fenchone
- 4 (a) ive an informative note on : (7+7)
(i) Sterilization techniques in plant tissue culture
(ii) Immobilization of culture
OR
(b) Discuss the advantaes of plant, tissue culture technique in cultivation of medicinal plants. (4)
(c) Discuss the concept and sinificance of Biotransformation and clonal propaation. (10)
- 5 (a) List the Traditional systems of medicines practiced in India and write the principles of any two systems. (5)
(b) Discuss the methods of varis quality control measures in analysis of Herbal medicines. (9)
OR
(c) Define and describe the preparation of : (9)
(i) Aristavas (ii) Bhasmas (iii) Asawas
(d) Discuss the importance of plant drus in discovery of new drus with suitable Examples. (5)
