

FACULTY**B. Pharmacy 3/4 I Semester (Suppl.) Examination, May 2017****Subject : Pharmaconosy II****Time : 3 Hrs****Max. Marks: 70****Note: Answer all questions. All questions carry equal marks.**

- 1 (a) Describe the powder microscopical characters of Ephedra, datura and vasaka. (6)
(b) Write srces, chemistry and use of Periwinkle and Deadly night shade. (8)

OR

- (c) Write the general method of isolation and color reactions of alkaloids.
(d) Write the chemical test, adulterant and distinguished character from adulterant for
(i) Cinchona (ii) Rauwolfia (iii) Nuxvomica

- 2 (a) Define and classify the lycosides.
(b) Write chemical structure, use and specific chemical test for
(i) Sennoside (ii) Dioxin (iii) Diosenin

OR

- (c) Write the srce, chemical constituents and uses of
(i) okhru (ii) Satavari (iii) Brahmi
(d) Give an informative note on digitalis lycosides.

- 3 (a) Give the chemical structure, Chemical test, srce and isolation of
(i) Caffeine (ii) Quinine (iii) Sennosides

OR

- (b) Define and classify the resins.
(c) Give the srces, chemical constituents and uses of
(i) aultheria (ii) Artemisia (iii) Asafoetida (iv) uul

- 4 (a) Discuss the significance and applications of plant tissue culture. (4)
(b) Classify the plant tissue culture techniques and discuss in detail abt callus culture technique. (10)

OR

- (c) Write abt : (4+5+5)
(i) Oranoenesis (ii) Biotransformation (iii) Immobilization technique

- 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 various 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 drugs in discovery of new drugs with suitable examples. (5)
