

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

- 1 a) Write diagnostic features of
i) Kurchi ii) Cinchona iii) Datura 3 x 3 = 9
b) Write the Biological source, chemical tests and uses of
i) Rauwolfia ii) Opium 5
- OR**
- c) Give Pharmacognostic description of Ephedra. 8
d) Describe the microscopical features of 6
i) Vasaka ii) Datura iii) Nuxvomica
- 2 a) Write the pharmacognostic description of Liquorice. 8
b) Describe the following chemical tests and their importance 2 x 3 = 6
i) Keller Killani test ii) Bontrassers test
- OR**
- c) Write the Biological source, chemistry, therapeutic use and adulterants of 10
i) Dioscorea ii) Digitalis
d) Write an informative note on Bitter glycosides. 4
- 3 a) Describe the isolation and estimation of caffeine from tea. 8
b) Write the biological source, chemical constituents, chemical tests and uses of 6
i) Capsicum ii) Clove
- OR**
- c) Write the isolation and estimation of Tannic acid from myrobalan. 8
d) Write the Biological source, chemical constituents and uses of 6
i) Podophyllum ii) Artemisia
- 4 a) Write about
i) Embryogenesis ii) Clonal propagation 8
b) Write about sterilization techniques used in plant tissue culture technique. 6
- OR**
- c) Discuss the nutritional requirements of an ideal plant tissue culture medium. 10
d) Explain the methodology for initiation of callus culture from a seed. 4
- 5 a) Write the preparation of 9
i) Bhasma ii) Asawas iii) Kashayams
b) Discuss about the status and practice of Herbal medicine in India. 5
- OR**
- c) Write in detail about Quality Control and standardization of Raw materials. 10
d) Write a note on different types of herbal formulations. 4
