

Code No: 6158/ NON-CBCS

FACULTY OF PHARMACY**B. Pharmacy 3/4 I-Semester (NON-CBCS) (Backlog) Examination, January 2020****Subject : Pharmacognosy-II****Time: 3Hours****Max. Marks: 70****Note:** Answer All Questions, All Questions carry equal marks.

- 1) a) Explain the Pharmacognostic study of vinca (8)
b) Write the biological source, chemical constituents and uses of (6)
i) Rauwolfia ii) Kurchi
OR
c) Write the General Method of Extraction of Alkaloids (8)
d) Write the diagnostic features of (6)
i) Nuxvomica ii) Ephedra iii) Cinchona
- 2) a) Write the Pharmacognostic study of digitalis (8)
b) Write the biological source, chemistry and therapeutic uses of (6)
i) Gymnema ii) Ashwagandha
OR
c) Write the Pharmacognostic study of senna (8)
d) Write the Biological source, chemistry and therapeutics uses of (6)
i) Dioscoreia ii) Stropanthus
- 3) a) Write the isolation and estimation of caffeine from tea (8)
b) Write the biological source, chemical constituents and uses of (6)
i) Fennel ii) Podophyllum
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) Clove ii) Cinnamon
- 4) a) Discuss the applications of plant tissue culture technique in the production of biomedicinals (8)
b) Discuss the importance of Macronutrients and growth regulators in plant tissue culture media preparation (6)
OR
c) Write the effect of cultural practices on production of secondary metabolites. (8)
d) Write a short note on Advantages and Disadvantages of plant tissue culture technique (6)
- 5) a) Write the method of preparation of the following (8)
i) Asavas ii) Aristas iii) Churnas iv) Bhasmas
b) What are Lehyas and Kashayams. Describe the method of preparation with examples (6)
OR
c) Discuss the problems involved in standardization of Herbal Formulations with examples. (8)
d) Describe any 2 Phytopharmaceuticals of Medicinal importance (6)
