

PHARMACOGNOSY – II

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Write the properties Glycosides.
 - (b) Write the biological source and uses of Ginseng.
 - (c) Define Nutraceutical.
 - (d) Write role of herbs in cosmetics.
 - (e) Give the source and chemical structure of Pilocarpine.
 - (f) Write the colour reactions of Alkaloid.
 - (g) Write source and uses of Solanum.
 - (h) Explain any one Alkaloidal amine group containing biological source.
 - (i) Define Biogenesis.
 - (j) Write the identification tests of Saponins.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Discuss the systemic pharmacognostic study of digitalis.

OR

- 3 Write the source, cultivation, collection, chemical nature, macroscopic characters, identification test and uses of Senna.

UNIT – II

- 4 Explain in detail about Spirulina and Garlic.

OR

- 5 Write short note on Turmeric and Aloe vera.

UNIT – III

- 6 Define Alkaloids. Write the classification, properties and general methods of isolation of Alkaloids.

OR

- 7 Write Source, Chemical Constituents, identification tests and uses of:

- (a) Kurchi.
- (b) Nux Vomica.

UNIT – IV

- 8 Write the source, chemistry and uses of Colchicum and Vasaka.

OR

- 9 Write the source, cultivation, collection, chemistry, identification tests and uses of Opium.

UNIT – V

- 10 Discuss the general techniques of biosynthetic and basic metabolic pathways.

OR

- 11 Define extraction. Write principal involved in extraction and factors affecting the process of extraction.
