

PHARMACOGNOSY – I

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Define pharmacognosy.
 - (b) Explain about the future scope of pharmacognosy.
 - (c) Describe auxins and their role.
 - (d) Define alkaloids and give examples of two drugs containing alkaloids.
 - (e) Define ash value and its significance.
 - (f) Explain the macroscopic evaluation and its parameters.
 - (g) Name the different chemical tests for carbohydrate containing drugs.
 - (h) Discuss about agar and its uses.
 - (i) Write the botanical source, family, chemical constituents and uses of shark liver oil.
 - (j) Briefly discuss about the uses of spermaceti.

PART – B

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

UNIT – I

- 2 Describe various applications of pharmacognosy with examples.

OR

- 3 Explain different source of crude drugs citing examples in each.

UNIT – II

- 4 Discuss in detail about the different factors affecting the cultivation of medicinal plants.

OR

- 5 Discuss about the good agricultural practices.

UNIT – III

- 6 Define adulteration and its different modes.

OR

- 7 Why evaluations of bio drugs are required and explain about the chemical evaluation of drugs.

UNIT – IV

- 8 Discuss about the drugs pectin and tragacanth and their uses.

OR

- 9 Explain the different types of starches and their microscopic appearance.

UNIT – V

- 10 Discuss the extraction techniques for monoterpenoids.

OR

- 11 Write the chemical properties and uses of linseed oil and spermaceti.
