

B.PHARM. DEGREE EXAMINATION
PCI Regulation – SEMESTER IV
PAPER V – PHARMACOGNOSY AND PHYTOCHEMISTRY– I

Q.P. Code: 562046

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Explain about the various factors influencing the cultivation and collection of Crude drugs.
2. Describe in detail about the nutritional requirements of Plant tissue culture.
3. What are Glycosides? Classify them with suitable examples. Give any two tests for identification of glycosides.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. How will you evaluate crude drugs by physical methods?
2. Give a note on chemotaxonomy.
3. Discuss about the role of auxins and gibberellins in cultivation of a medicinal plant.
4. Write a note on hybridization in medicinal plants.
5. Edible vaccines.
6. Describe the basic principle involved in Siddha system of medicine.
7. Discuss about the properties and tests for identification of flavonoids.
8. Gelatin.
9. Differentiate absorbent and non absorbent cotton.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Define Pharmacognosy.
2. Stomatal number and stomatal index.
3. List out the methods for drying crude drugs.
4. Define plant tissue culture.
5. Totipotency.
6. Traditional systems of medicine.
7. How will you perform the goldbeater's skin test?
8. Give the biological source, family and uses of bees wax.
9. Write a note on preparation of agar.
10. What are Teratogens?