

(LQ 2056)

MARCH 2020

Sub. Code: 2056

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

*Q.P. Code: 562056*

**Time: Three hours**

**Maximum: 75 Marks**

**I. Elaborate on: Answer any TWO questions.**

**(2 x 10 = 20)**

1. Write a brief note on basic metabolic pathways leading to the formation of plant secondary metabolites.
2. What are indole alkaloids containing drugs? Discuss about any one of them in detail.
3. Explain the isolation of resin drug containing Anticancer Activity.

**II. Write notes on: Answer any SEVEN questions.**

**(7 x 5 = 35)**

1. Vinca.
2. Bitter Almond.
3. Artemisia.
4. Ruta.
5. Liquorice.
6. Fennel.
7. Catechu.
8. Myrrh.
9. Gentian.

**III. Short answers on: Answer ALL questions.**

**(10 x 2 = 20)**

1. Give examples for secondary metabolites.
2. Define Metabolic Pathway.
3. Define electrophoresis.
4. Write the principle of HPLC.
5. Write the biological source and uses of Taxol.
6. Mention the spray reagent used to detect alkaloids.
7. Give examples for aldehyde containing volatile oil.
8. Give the official source for Mentha oil and how it is isolated from it?
9. Write the source for the four varieties of Aloes.
10. Give examples for the tannin containing drugs.