

[BPHARM 0921]

SEPTEMBER 2021  
(SEPTEMBER 2020 EXAM SESSION)

Sub. Code: 2056

**B.PHARM. DEGREE EXAMINATION**  
**PCI Regulation 2017 – 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. Summarize on Bio-synthesis and application of Digoxin.
2. Describe in detail the collection, constituents with uses and chemical test of Opium.
3. Explain the industrial production and utilization of Tropane alkaloids.

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

1. Write a note on the industrial production of Forskolin.
2. Write a note on Dioscorea rhizome.
3. Illustrate the Pharmacognosy and chemistry of Rawolfia root.
4. Write a note on collection, chemistry and uses of Taxus.
5. Chromatographic techniques used in Plant drug analysis.
6. Explain the term iridoids and give the pharmacognosy of Gentian.
7. Illustrate the isolation and estimation of podophyllotoxin from its sources.
8. Write a note on Fennel and Catechu.
9. Outline the Isolation, Identification and Analysis of menthol.

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

1. How will you identify caffeine in tea dust?
2. What is Competitive feeding?
3. What are carotenoids?
4. Give the structure of Eugenol and Fenchone.
5. Write the basic principles involved in chromatography.
6. Mention the therapeutic use of Bitter almond
7. Write the medicinal uses of Pterocarpus
8. Mention the uses of sennosides
9. Recall the drug used in cerebral malaria give its sources.
10. Sketch the structure of glycyrrhetic acid.

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