

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BPHARM 0122]**

**JANUARY 2022  
(MARCH 2021 EXAM SESSION)**

**Sub. Code: 2056**

**B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)**

**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. Describe in detail about the industrial production of Vincristine and Vinblastine.
2. Discuss the method of collection of Benzoin, its constituents and uses.
3. Briefly discuss about Biogenesis of various Isoprenoid Compounds.

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

1. Shikmic Acid Pathway.
2. Lignans.
3. Cinnamon.
4. Colophony.
5. Carotenoids.
6. Opium.
7. Curcumin.
8. Glycyrrhetic acid.
9. Citral.

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

1. Pharmaceutical application of Forskolin.
2. Write the biological source and uses of Taxus.
3. Mention the source and constituents of Tea and Ruta.
4. List out Various method of extraction of Volatile oils.
5. Give the official source for podophyllotoxin and how it is commercially significant?
6. Give the examples of phytoconstituents subjected to spectral analysis.
7. Uses of Rauwolfia.
8. Murexide Colour Reaction.
9. Chemical Test for Guggul.
10. Gambier-fluorescein Test.

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