

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

[BPHARM 0122]

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

Sub. Code: 2046

B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)

PCI Regulation 2017 – 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 chemical classification of crude drugs highlighting the advantages and disadvantages.
2. Discuss about methods of cultivation of crude drug drugs from natural origin.
3. Write about the theory and principles of Siddha system of medicine with emphasis on role in Pharmacognosy.

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

1. Scope and development of Pharmacognosy.
2. Plant hormones and their applications.
3. Definition, classification, properties and identification test for Tannins.
4. Natural allergens.
5. Source, preparation, chemistry storage and uses of Gelatin.
6. Novel medicinal agents from marine source.
7. Nutritional requirements in plant tissue culture.
8. Source, preparation, chemistry and commercial uses of Castor oil.
9. Biological method of evaluation.

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

1. Define Vein islet number and Veinlet termination number.
2. Give two examples of animal drugs with source, family, chemical constituents and uses.
3. Write the four types of stomata with examples for each.
4. Give two precautions to be taken to store the crude drugs against oxidation.
5. Define organized and unorganized drugs with examples.
6. Give difference between gums and mucilage.
7. Define Polyploidy.
8. What is Cryopreservation?
9. Write about ballooning effect in Cotton.
10. Source, family, chemical constituents and uses of Bromelain.
