

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

[B.PHARM 0524]

MAY 2024

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. How will you classify the crude drugs and write in detail about chemical classification of crude drugs.
2. Write briefly about types of tissue culture and nutrient requirements for plant tissue culture.
3. Describe the method of preparation of medicinal castor oil for the market and chemical constituents responsible for therapeutic action.

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

1. Explain the collections of drugs with example.
2. Write a note on polyploidy with example.
3. Mention various types of stomata with diagram.
4. Write a note on serotaxonomy.
5. Write a note on edible vaccine.
6. Explain the term resins and classify resins with examples.
7. Write a note on siddha system of medicine.
8. Enumerate the proteolytic enzymes and its uses with examples.
9. Write briefly on method of collection of gelatin from animal source.

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

1. What is Ash value?
2. Explain the term Foreign Organic Matter.
3. Define callus.
4. Give the biological source, family and uses of chaulmoogra oil.
5. General test for flavonoids.
6. What is Hallucinogens?
7. Give the source of agar and its uses.
8. What is bromelain and mention its therapeutic use.
9. Define stomatal index.
10. Chemical constituents of Tragacanth.
