

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

[BPHARM 0522]

MAY 2022

Sub. Code: 2046

(SEPTEMBER 2021 EXAM SESSION)

B. PHARMACY DEGREE EXAMINATION

PCI Regulation 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. What are organized and unorganized drugs? Give suitable examples. Add a note on various sources of drugs with suitable examples.
2. Describe in detail about the various methods of collection and drying of crude drugs.
3. Discuss about the steps involved in establishment of a tissue culture in detail.

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

1. Give a note on serotaxonomy.
2. Discuss about the Lycopodium spore method and its significance.
3. Polyploidy.
4. Write a note on protoplast culture.
5. Describe about the maintenance of suspension culture.
6. Give the tests for identification of tannins.
7. Volatile oils.
8. Acacia.
9. Discuss about the antimicrobial agents from marine source.

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

1. Extractive values.
2. Enumerate about the various methods used to control pests.
3. Germplasm conservation technique.
4. Define Explant.
5. What are flavanoids? Give examples.
6. Keller Killiani test.
7. Write the basic principles of Homeopathy.
8. Give the uses of bromelain.
9. What are plant hallucinogens? Give examples.
10. Give the Biological source, family and uses of Chaulmoogra oil.
