

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

(LP 4261)

AUGUST 2019

Sub. Code: 4261

B.PHARM. DEGREE EXAMINATION
THIRD YEAR
PAPER I – PHARMACOGNOSY AND PHYTOCHEMISTRY
Q.P. Code: 564261

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the factors responsible for cultivation of medicinal plants with examples. Describe the processing, storage and preservation of crude drugs.
2. Define Alkaloids. Give chemical classification with examples, write about any one quinoline and Indole alkaloid containing crude drug.

II. Write notes on:

(8 x 5 = 40)

1. Detailed study of a drug containing C-glycoside.
2. Give a note on chemotaxonomy and serotaxonomy.
3. Discuss the different types of adulteration.
4. Anti hypertensive drug of plant origin.
5. Plants with oral hypoglycemic activity.
6. What are Resins? Discuss about their properties and explain about any one in detail.
7. Any one pharmaceutical aid.
8. Differentiate Indian senna and Alexandrian senna.

III. Short answers on:

(10 x 2 = 20)

1. Define stomata and types of stomata.
2. Name different types of starch with diagram.
3. Tests for cardiac glycoside.
4. What are the precautions to be taken during the collection of opium?
5. Thalloquine test.
6. Define Palisade Ratio.
7. Allied drugs and substitutes of clove.
8. Source, constituents and uses of “Ma-Huang”.
9. Define natural pesticide. Give any two examples.
10. Classification of crude drug.
