

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

(LO 4261)

FEBRUARY 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. Explain in detail the sources, cultivation, collection, microscopy, constituents, uses, substitutes and adulterants of senna.
2. a) Write in detail about the crude drugs of mineral origin.
b) Discuss the collection and processing of medicinal castor oil.

II. Write notes on: (8 x 5 = 40)

1. How crude drugs are classified and explain alphabetical and biological method of classification?
2. Discuss Natural pesticides.
3. Outline the morphological characters of umbelliferae family fruits with diagrammatic representation.
4. Summarize the saponin glycosides crude drugs by therapeutic use and mention its constituents.
5. Write a note on oral hypoglycemic drug with its constituents.
6. Discuss the method of collection of Benzoin and its constituents and uses.
7. Write about various types of ash Value and its significance.
8. Write a note on Quantitative Microscopy.

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

1. Define Tannins and Glycosides with examples.
2. Mention the source and constituents of myrobalan and Gambier.
3. Name the sources of dill and caraway.
4. State the constituents of vinca and taxol and draw the structure of anyone.
5. Write the constituents of Kurchi bark and twigs of Indian hemp.
6. Name the chemical reagent used to destroy the pungency of ginger and capsicum.
7. List the crude drugs used as mydriatic and anti rheumatic agent.
8. Compare Ligatures and sutures with examples.
9. Outline the sources and uses of Artemisia and Neem.
10. Enumerate the various types of calcium oxalate crystals in crude drugs.
