

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

[LR 1220]

DECEMBER 2020

Sub. Code: 4261

(AUGUST 2020 EXAM SESSION)

B. PHARMACY DEGREE EXAMINATION

THIRD YEAR – (Regulation from 2009-2010)

PAPER I – PHARMACOGNOSY AND PHYTO-CHEMISTRY

Q.P. Code: 564261

Time: Three hours

Answer ALL questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Name the Tropane alkaloid containing drugs by discussing their general characters and explain in detail about anyone drug belonging to this category.
2. a) Explain in detail storage and preservation of Crude drugs.
b) Methods of Pest control.

II. Write notes on:

(8 x 5 = 40)

1. Lycopodium spore method.
2. Serotaxonomical classification of Crude drugs.
3. Black Catechu.
4. Rauwolfia.
5. Steroidal alkaloid containing drug.
6. Oxidized cellulose.
7. Pharmacognosy of any one tumor inhibitor drug.
8. Pharmaceutical aids.

III. Short answers on:

(10 x 2 = 20)

1. Who first coined the term Pharmacognosy and give the derivation of term.
2. Define Stomatal number and Stomatal index.
3. Two diagnostic powder microscopical characters of oleo resin containing rhizome drug.
4. Differences between Green Tea and Black Tea.
5. Source, family, chemical constituents and uses of Agar.
6. Source, family and uses of Bentonite.
7. Write two examples of Rodenticides.
8. Give reason for drying of Digitalis leaves at below 60°C after immediate collection.
9. Bran oil.
10. Write the precautions to be taken during the collection of Opium.
