

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

[BPHARM 1022]

OCTOBER 2022

Sub. Code: 4261

(AUGUST 2022 EXAM SESSION)

B.PHARMACY DEGREE COURSE (NON-SEMESTER EXAMINATIONS)

THIRD YEAR (Regulation 2009-2010)

PAPER I – PHARMACOGNOSY & PHYTO-CHEMISTRY

Q.P. Code: 564261

Time: Three hours

Answer ALL questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the factors influencing cultivation of medicinal plants. Write a note on plant growth regulators and natural pesticides.
2. Write the Biological source, family, cultivation, collection, constituents chemical tests and uses of Clove and Senna.

II. Write notes on:

(8 x 5 = 40)

1. Quantitative microscopy.
2. Differences between Tragacanth and Acacia.
3. Tropane alkaloids.
4. Umbelliferous fruits – their characteristic features.
5. Plants with oral hypoglycemic activity.
6. Difference between Cotton and silk.
7. Opium.
8. Pyrethrum.

III. Short answers on:

(10 x 2 = 20)

1. Source, family, constituents and uses of cinchona.
2. Define organized and unorganized crude drug.
3. Constituents and chemical tests for Agar.
4. Compare Ligatures and sutures with examples.
5. Biological source, constituents and uses of ginseng.
6. Pharmacological Classification of crude drug.
7. Constituents and uses of liquorice.
8. Give two examples of natural colour and their source.
9. Constituents and uses of Asafoetida.
10. Source, family, constituents and uses of Ginger.
