

[LC 4261]

FEBRUARY 2013

Sub. Code: 4261

THIRD YEAR B.PHARM. EXAM**Paper - I PHARMACOGNOSY AND PHYTOCHEMISTRY****Q.P. Code : 564261****Time: Three hours****Maximum: 100 Marks****(180 Min)****I. Elaborate on:****(2x20=40)**

- 1). Explain in detail the source, family, cultivation, collection, macroscopy, microscopy, chemical constituents, chemical tests, uses, substitutes, adulterants and storage of Digitalis leaves. (20 Marks)
- 2 a) Define evaluation. What are the different methods of evaluation of crude drugs? Explain about macroscopic evaluation of crude drugs in detail. (15 Marks)
- b) Write about biological evaluation with examples. (5 Marks)

II. Short notes**(8 x 5 = 40)**

- 1) Give a note on chemotaxonomy and serotaxonomy.
- 2) General methods of pest control and examples of natural pesticides.
- 3) Life cycle of Ergot
- 4) Constituents of Opium
- 5) Differences between Indian Senna and Alexandrian Senna
- 6) Write about glyco-alkaloid containing drug
- 7) Gelatin sponge
- 8) Starch and its derived products

III. Short answers**(10 x 2 = 20)**

- 1) What is vitreous Aloes and Hepatic Aloes?
- 2) Source, family, constituents and uses of Rauwolfia.
- 3) Keller-Kiliani test
- 4) Uses of Castor oil
- 5) Write the source for the four varieties of Aloes.
- 6) Give two chemical tests for identification of saponins.
- 7) Write two differences between Pale and Black Catechu.
- 8) Define Stomatal number and Stomatal Index.
- 9) What are cystoliths?
- 10) Give the chemical structure of Caffeine.
