

(LJ 4261)

AUGUST 2016

Sub. Code: 4261

**B.PHARM. 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. a) What are Indole alkaloid containing drugs? Discuss about any one of them in detail.
b) What are Resins? Discuss about their properties and explain about any one in detail.
2. Explain in detail the source, family cultivation, collection, macroscopy, microscopy, chemical constituents, uses, substitutes and adulterants of Fennel.

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

1. Explain pharmacological classification of crude drugs with suitable examples.
2. Spirullina.
3. Life cycle of ergot.
4. Castor oil.
5. a) Seliwinoff's test b) Keller Killiani test.
6. Natural colours.
7. Note on Ginger.
8. Differentiate Indian senna and Alexandrian senna.

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

1. Define Pharmacognosy.
2. Source and uses of Kurchi.
3. Trichomes and its types.
4. Write any two differences between cinnamon Zeylanicum and cinnamon cassia.
5. Define Stomatal Number and Stomatal Index.
6. Source and uses of Nutmeg.
7. Constituents and uses of Nux-vomica.
8. Chemical test for Tropane Alkaloids.
9. Any two differences between volatile oil and fixed oil.
10. Constituents of pyrethrum.
