

(LM 4261)

FEBRUARY 2018

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 Cinchona.
2. a) Define pharmacognosy, enumerate the present status and future scope of pharmacognosy.
b) How crude drugs are processed and stored with few examples.

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

1. Digitalis.
2. Sutures and ligatures.
3. Explain any one alkaloidal amine crude drug.
4. Liquorice.
5. Discuss the factors influencing cultivation of medicinal plants.
6. Isabgol.
7. Balsamic resinous drug.
8. Microscopical evaluation.

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

1. Define organized and unorganized crude drug.
2. Two important diagnostic features of clove.
3. Test for reducing sugar.
4. Constituents of opium.
5. List out any two indole alkaloid crude drugs and their source.
6. Two differences between pale and black catechu.
7. Source and constituents of silk and wool.
8. Chrysanthemum cinarariifolium – common name of the crude drug and its uses.
9. Structure of Ephedrine.
10. How is oxidized cellulose prepared?
