

[LI 348]

APRIL 2016

Sub. Code: 2909

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH III – PHARMACOGNOSY
PAPER III – BIOGENESIS AND CHEMISTRY OF NATURAL PRODUCTS**

Q.P. Code : 262909

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe in detail about the Occurrence, Biosynthesis, Chemistry, Isolation and estimation of Vitamin-A.
2. Discuss in detail about the various methods of screening of natural products for Antineoplastic Activity.

II. Write notes on:

(10 x 6 = 60)

1. Aromatic Biosynthesis.
2. Isolation and Purification of Insulin.
3. Industrial methods of isolation and estimation of Ergometrine.
4. Chemistry and estimation of Hypercin.
5. Chemistry and estimation of Vitamin-C.
6. Biosynthesis of Cholesterol.
7. Estimation of Morphine.
8. Industrial methods of isolation of Sennosides.
9. Screening methods for Diuretic Activity.
10. Industrial methods of isolation and estimation of Hesperidin.
