

[LE 348]

APRIL 2014

Sub. Code: 2909

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

Q.P. Code : 262909

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. Write an account on the occurrence, chemistry, biosynthesis, isolation and estimation of vinblastine.
2. Write a detail note on the biological evaluation of plant products for,
a) Psychopharmacological activity.
b) Antiulcer activity

II. Write notes on :

(10x6=60)

1. Photosynthesis and its significance.
2. Isoprenoid biosynthesis and its significance.
3. Chemistry of scillaren-A.
4. Industrial methods of isolation and estimation of sennosides
5. Screening for antibacterial activity.
6. Chemistry and estimation of vasopressin.
7. Screening for anti-inflammatory activity.
8. Industrial methods of isolation and estimation of digoxin
9. Chemistry, estimation and therapeutic uses of tetracyclines
10. Chemistry and estimation of vitamin A.
