

[LJ 348]

OCTOBER 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. Techniques employed in the elucidation of biosynthetic pathways.
2. a) Penicillin biosynthesis.
b) Chemistry and stereochemistry of Cholesterol.

II. Write notes on:

(10 x 6 = 60)

1. Vitamin A.
2. Tetracycline.
3. Cardiac activity.
4. Anti microbial activity.
5. Photosynthesis.
6. Shikimic acid pathway.
7. Production and applications of Tannic acid.
8. Chemical structure and uses of Hesperidin, Emetin.
9. Isoprenoid biosynthesis.
10. Vasopressin.
