

[LI 346]

APRIL 2016

Sub. Code: 2907

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH II – PHARMACEUTICAL CHEMISTRY
PAPER IV – NATURAL PRODUCTS OF MEDICINAL INTEREST**

Q.P. Code : 262907

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain about Drug targets with respect to Receptor and enzymes.
2. Explain various steps involved in Structural elucidation of Triterpenoids.

II. Write notes on:

(10 x 6 = 60)

1. What is Invitro Evolution? How it is useful in drug discovery?
2. How Phage display can be used as identification of therapeutic novel peptides?
3. Write short notes on Echinocandins.
4. Explain the structural constitution of Rutin.
5. Explain how you will elucidate the N-Methyl group present in morphine?
6. Explain nature and position of side chain with evidence in cholesterol.
7. Write short notes on polypeptide Antibiotics.
8. Explain in detail about the Resistance to β -lactam Antibiotics.
9. Explain the chemistry of Digitoxin.
10. Write short notes Stereochemistry of Borneol.
