

[LG 346]

APRIL 2015

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. Enumerate in detail on various natural products as lead for new pharmaceuticals.
2. Constitution of α -pinene.

II. Write notes on:

(10 x 6 = 60)

1. Aminocyclitol antibiotics and its derivatives
2. Biological activity of monobactams
3. Explain how Aspercillin is associated with G-protein coupled receptors.
4. Topoisomerase II inhibitor.
5. Clavulanic acid as β -lactamase inhibitors.
6. Gene therapy in nervous system disorders.
7. Structural elucidation of an acyclic monoterpenoid from *ocimum basilum*.
8. Mechanism involved with oligonucleotides interacting with nucleic acid targets.
9. Epitope mapping.
10. Instrumental analysis in natural products analysis.
