

[LH 346]

OCTOBER 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. With suitable evidence elucidate the structure of Diosgenin.
2. Give details on the heterocyclic modifications in oligonucleotide therapy.

II. Write notes on:

(10 x 6 = 60)

1. Biological activity and structural activity relationship of Nocardicin A.
2. Explain in detail about drug discovery tools in genetical engineering.
3. Chemistry of Progesterone.
4. Hoffmann's exhaustive methylation method for degradation of alkaloids.
5. Explain the nature and method to estimate hydroxyl group in Morphine.
6. Stereochemistry of Camphor.
7. Cardenolides and Bufadienolides.
8. How Optical Rotatory Dispersion employed in structural elucidation?
9. Brief a note on Steroid receptor.
10. Explain in detail about the drugs of Cholecystokinin-A antagonist.
