

[LE 346]

APRIL 2014

Sub. Code: 2907

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

Q.P. Code : 262907

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. a) Write the structural elucidation of cholesterol.
b) Write a detailed note on penicillins with their mechanism of action.
2. a) Give the constitution of Quinine.
b) Write a detailed note on cardiac glycosides.

II. Write notes on :

(10x6=60)

1. Write about the application of countercurrent extraction in the separation and analysis of plant constituents.
2. Write notes on Asperlicins.
3. Give the general chemical treatment of terpenoids.
4. Write a note on antisense oligonucleotide therapy.
5. Give a note on Aminoglycosides.
6. Briefly explain about the crude drugs used as antitumour agents.
7. Write a note on cloning of DNA.
8. Explain the transformation of phytosterols into steroidal drugs.
9. Write a short note on Psoralene.
10. How cannabinoids are used as leads for pharmaceuticals.
