

[LJ 817]

OCTOBER 2016

Sub. Code: 3817

PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
HIRD YEAR
PAPER V – MEDICINAL CHEMISTRY

Q.P. Code : 383817

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Explain the Chemistry and Mechanism of action of Cardiac glycosides.
2. Write the classification of Antibiotics. Explain in detail the chemistry, mechanism of action and SAR of Tetracyclines.
3. What are Urinary-tract Anti-infective agents? Classify them with examples. Explain the chemistry, SAR, mechanism of action of Quinolone anti-bacterial agents.
4. Classify anti-malarial drugs with examples. Write the structure, synthesis, mechanism of action and medicinal uses of any one 4-Aminoquinoline derivative.

II. Write notes on:

(6 x 5 = 30)

1. Explain the synthesis of any two Sulphonamides.
2. Write a note on computer aided Drug design.
3. Write the synthesis of INH.
4. Brief out Thiazide and Loop diuretics.
5. Write a note on Combinatorial Chemistry.
6. Write a note on Insulin and its preparations.
