

[LO 817]

MAY 2019

Sub. Code: 3817

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

*Q.P. Code: 383817***Time : Three hours****Maximum : 70 Marks****I. Elaborate on:****(4 x 10 = 40)**

1. What are ACE inhibitors? Write the types, mechanism of action and SAR of the same.
2. Briefly discuss the techniques involved in combinatorial chemistry.
3. Classify urinary tract anti infectives. Explain the chemistry, SAR and mechanism of action of quinolone derivatives.
4. Classify antibiotics. Explain in detail about the chemistry of cephalosporins.

II. Write notes on:**(6 x 5 = 30)**

1. Write the synthesis of chloroquine.
2. Explain the chemistry of estrogens.
3. Write the structure and uses of clotrimazole and hexachlorophene.
4. Thiazide diuretics.
5. Write short notes on Anti-protozoal agents.
6. Write the structure and uses of any 2 anthelmintics.
