

[LC 817]

APRIL 2013

Sub. Code: 3817

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**THIRD YEAR****PAPER V – MEDICINAL CHEMISTRY***Q.P. Code: 383817***Time: Three Hours****Maximum: 100 marks****Answer All questions****I. Elaborate on:****(2 x 20 = 40)**

1. Write the classification of Antivirals and explain in detail their chemistry, synthesis of any 2 drugs with mechanism of action and examples. Explain on Prodrug concept.
2. Discuss on Computer aided drug design and modeling with an emphasis on its various applications.

II. Write notes on:**(10 x 6 = 60)**

1. Write the chemistry, structures and synthesis of any one drug under the category of anticancer agents.
2. Discuss on anti protozoal agents.
3. Brief out on high ceiling diuretics
4. Write on Mechanism of action, toxicity and uses of Sulphonamides.
5. Brief out on antisense molecules.
6. Classify various anti-tubercular agents used for multiple drug resistant tuberculosis and write their mechanism of action.
7. Give a short account on adrenocorticoids.
8. Write on oral hypoglycemic agents.
9. Discuss on antianginals.
10. Classify antimalarials and discuss on 4- amino quinolines.
