

[LM 817]

MAY 2018

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. Write the classification of Anti-neoplastic agents. Give the mechanism and synthesis of any two Anti-neoplastic agents.
2. Enumerate various approaches utilized in computer aided drug design.
3. Classify diuretics. Explain the mechanism of action and structure of any one drug from each class.
4. Classify sulfonamides. Briefly discuss the mechanism of action and SAR of sulfonamides. Enumerate the general synthesis of sulfonamides.

II. Write notes on:

(6 x 5 = 30)

1. Classify oral hypoglycaemic agents and enumerate the synthesis of any one.
2. Explain briefly on Lipophilic parameters in quantitative structure activity relationship.
3. Give the structure and uses of : a) Acetazolamide b) Pyrimethamine.
4. Brief out on antisense molecules.
5. Enumerate the synthesis and mechanism of action of any one Anthelmintic agents.
6. Give the structure and uses of :
i) Isoniazid ii) Ethambutol iii) Pyrazinamide
