

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LN 817]

OCTOBER 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. Classify Anti-malarial agents. Discuss the mechanism of action and synthesis of any two drugs.
2. Classify Anti-biotics. Explain in detail about the drug mechanism and chemistry of penicillin with examples.
3. Write the classification of anti angina drugs. Write the synthesis and mechanism of Isosorbide dinitrate.
4. Define and classify Anti-viral agents. Discuss the mechanism of action and synthesis of any two Anti-viral agents.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Write a short note on anti-scabies and anti-pedicular agents.
2. Write a note on urinary tract anti-infectives with suitable examples.
3. Write a note on anti-sense molecules.
4. Write the structure synthesis and uses of a) Tolbutamide b) Glibenclamide.
5. Discuss briefly about Anti-arrhythmic agents.
6. Write a note on prodrug with suitable examples.

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