

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

[PHARMD 0122]

**JANUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 3817

**PHARM. 'D' DEGREE EXAMINATION
THIRD YEAR (2009-2010 Regulation)
PAPER V – MEDICINAL CHEMISTRY
*Q.P. Code : 383817***

Time : Three hours

Answer ALL Questions

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Explain in detail various electronic parameters involved in QSAR study?
2. Write the Classification of Anti-Malarial drugs with suitable examples. Explain the Synthesis and mechanism of any two Anti-malarial drugs.
3. Classify Anti-hypertensive agents with suitable examples and explain the chemistry, SAR and mechanism of any two drugs.
4. Discuss on chemical degradation and SAR of Penicillin.

II. Write notes on:

(6 x 5 = 30)

1. Write briefly on Thiazide diuretics.
2. Write a short note on Diagnostic agents.
3. Write the Structure, mechanism of action of any two Anti-Hyperlipidemic agents.
4. Brief out on Antisense molecules.
5. Write the Applications of Prodrugs.
6. Discuss on Mineralocorticoids.
