

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

[LP 817]

OCTOBER 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. Hydrophobic parameters and spatial descriptors involved in a QSAR.
2. a) Classify Anti-fungal agents.  
b) Chemistry, structure and mechanism of any two Anti-fungal antibiotics.
3. a) Define and classify Anti-tubercular agents.  
b) Synthesis of any two drugs with mechanism of action-Anti-tubercular agents.
4. SAR of thiazide diuretics.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Anti-thyroid drugs with suitable two examples.
2. HIV PROTEASE inhibitors with two examples.
3. Note on diagnostic agents with three examples.
4. Steroidal sex hormones.
5. Combinatorial chemistry.
6. Any two Sulpha drugs used for burn therapy.

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