

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

[PHARMD 0321]

MARCH 2021

Sub. Code: 3817

**(OCTOBER 2020 EXAM SESSION)
PHARM. 'D' DEGREE EXAMINATION
THIRD YEAR (2009-2010 Regulation)
PAPER V – MEDICINAL CHEMISTRY
Q.P. Code : 383817**

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Classify anti fungal agents. Explain in detail about the chemistry, mechanism of action and synthesis of any 2 drugs.
2. Explain the Physicochemical properties involved in QSAR study.
3. Define and classify anti TB drugs. Write the structure, mechanism of action and synthesis of any 2 drugs.
4. Classify antibiotics. Discuss the chemistry of Penicillin.

II. Write notes on:

(6 x 5 = 30)

1. Write notes on calcium channel blockers.
2. Give structure and uses of chloroquine and metronidazole.
3. Write notes on Antimetabolites as Anti neoplastic agents.
4. SAR of quinolones.
5. Write the synthesis of any 2 sulphonamides.
6. Write notes on anti thyroid drugs.
