

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

(LP 4271)

AUGUST 2019

Sub. Code: 4271

**B.PHARM. EXAMINATION
FOURTH YEAR
PAPER V – MEDICINAL CHEMISTRY - II**

Q.P. Code : 564271

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Classify Anti hypertensives and write the synthesis of Hydralazine and Methyldopa.
b) Write note on Anticoagulants.
2. Define QSAR and discuss various parameters involved in the QSAR studies.

II. Write notes on:

(8 x 5 = 40)

1. Give an account on antiviral agents.
2. Write the synthesis of Metronidazole & Mercaptopurine.
3. Write note on Penicillins.
4. Write note on anti-scabious drugs.
5. Define anti-bacterial agent. Write the structure and use of any two drugs.
6. Classify anti-malarial agents and write the synthesis of Chloroquine.
7. Write note on Mineralocorticoids.
8. Write notes on anti-thyroid drugs.

III. Short answers on:

(10 x 2 = 20)

1. Structure and use of Mebendazole.
2. Structure and use of Dapsone.
3. Solid phase synthesis.
4. Folate reductase inhibitors.
5. Define and classify synthetic hypoglycemic agents.
6. Classify anti-protozoal agents.
7. Synthesis of any one sulpha drug.
8. Name the Sulpha drug used in the treatment of burn therapy & give its structure.
9. Draw any two structures of antifungal agents.
10. Name any two β -lactamase resistant penicillins.
