

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

[MD 0524]

MAY 2024

Sub. Code: 4019

M.D. DEGREE EXAMINATION

BRANCH VI – PHARMACOLOGY

PAPER III – SYSTEMIC PHARAMACOLOGY

Q.P. Code: 204019

Time : Three Hours

Maximum : 100 Marks

I. Essay:

(2 x 15 = 30)

1. a) Write in detail on Mechanism and Pharmacotherapy of drug dependence.
b) Add a note on newer opioids.
2. A 47 year old male PLHIV (patient living with HIV) on antiretroviral therapy was diagnosed as Pulmonary MDR – TB.
 - a) Explain drug interactions of Antiretroviral agents with Anti TB drugs.
 - b) Enumerate the adverse effects unique in PLHIV on taking anti TB drugs.
 - c) Write appropriate alternative Antiretroviral regime in the above patient.
 - d) Add a note – contact screening and prophylaxis regimes for MDR TB.

II. Short notes:

(10 x 5 = 50)

1. Drugs under development for the treatment of Pulmonary Artery Hypertension.
2. Pharmacology of fluorinated Inhalational Anesthetics agent.
3. Pharmacotherapy of Status Migrainosus and chronic prophylaxis.
4. Write in detail on antibiotics effective in the treatment of MRSA.
5. Lasmiditan.
6. Mechanism of action and Indication for Accelerated approval of resmetirom.
7. Direct oral factor Xa inhibitor.
8. Adverse effects of Salicylates and its correlation to monitoring of serum levels.
9. Hemodynamic effects of longterm antihypertensive therapy.
10. Drug therapy of Hirsutism.

III. Reasoning Out:

(4 x 5 = 20)

1. Role of mucolytics and expectorants in antitissue therapy.
2. Carcinogenesis due to environmental pollutants.
3. Compare Analogues of Calcitriol.
4. Therapeutic uses of folates with rationale.
