

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

[MD 0723]

JULY 2023

Sub. Code: 2023

(MAY 2023 EXAM SESSION)

M.D. DEGREE EXAMINATION

BRANCH VI – PHARMACOLOGY

PAPER II – SYSTEMIC PHARMACOLOGY INCLUDING

RECENT ADVANCES

Q.P. Code: 202023

Time: Three Hours

Maximum: 100 Marks

I. Essay:

(2 x 15 = 30)

1. A Patient was on Warfarin, was added Indomethacin for arthritis pain, few days later patient presented with bleeding. In this setting
 - a) Explain the above drug interactions.
 - b) Write in detail on the method to monitor anticoagulant therapy.
 - c) Write the alternative anticoagulant drugs, requiring less stringent monitoring.
 - d) Add a note on SPAF, SPAF – II, SPAF –III Trials.
2. Discuss in detail about the Pharmacotherapy of Parkinsons Disease and add a note on recent advances in drug therapy for Parkinsons Disease.

II. Short notes:

(10 x 5 = 50)

1. Mechanism of action of Local Anesthetics with diagram and adverse effects.
2. Enumerate and discuss on drug combination with Methotrexate in treatment of Rheumatoid Arthritis.
3. Arrhythmogenic Potential of Potassium channel blockers and its clinical significance.
4. Intellectual Property Right.
5. Mechanism of drug induced renal dysfunction.
6. Precautions and Adverse effects of drugs used in the treatment of Infertility and its outcome.
7. Chemoprophylaxis and therapy of MAC infection.
8. Proteasome inhibitors.
9. Drugs altering skin pigmentation.
10. Neuroadaptive Mechanisms in Opioid dependence and treatment modalities.

III. Reasoning Out:

(4 x 5 = 20)

1. Compare adverse effects of Sympatholytics and Adrenergic Receptor Antagonists as Antihypertensives.
2. Measures to avoid, recognize and treat Digoxin toxicity.
3. Recent Drug therapy of ADHD.
4. Ivermectin versus Diethylcarbamazine citrate.
