

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

[PHARMD 0423]

APRIL 2023

Sub. Code: 3810

**PHARM. 'D' DEGREE EXAMINATION
SECOND YEAR (2009-2010 Regulation)
PAPER IV – PHARMACOLOGY – I**

Q.P. Code: 383810

Time : Three hours

Answer ALL Questions

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. a) Classify NSAIDs.
b) Write the mechanism of action, pharmacological actions and the therapeutic uses of aspirin.
2. What is Epilepsy? Write the classification of antiepileptics. Describe one antiepileptic drug with Mechanism of action, adverse effects and pharmacological action.
3. a) Classify sedative and hypnotics.
b) Explain the mechanism of action, pharmacological actions, adverse effects and therapeutic uses of barbiturates.
4. a) Classify Anti-Parkinson's drugs.
b) Write the central effects of L-Dopa and write the adverse effects of L-dopa at the initiation of therapy and after prolonged therapy.

II. Write notes on:

(6 x 5 = 30)

1. Write on different routes of drug administration.
2. Define a) Clearance b) Plasma half-life c) First order kinetics.
3. Classify the different receptors and explain G Protein coupled receptors.
4. Define mucolytics? Give examples.
5. What is myasthenia gravis? Write note on anti-myasthenic drugs and their adverse effects.
6. Give a brief note on Pre-anaesthetic medication.
