

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

**[MD 1022]**

**OCTOBER 2022**

**Sub. Code: 2024**

**M.D. DEGREE EXAMINATION**

**BRANCH VI – PHARMACOLOGY**

**PAPER III – CLINICAL PHARMACOLOGY AND  
PHARMACOTHERAPEUTICS INCLUDING RECENT ADVANCES**

***Q.P. Code: 202024***

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Essay:**

**(2 x 15 = 30)**

1. a. Outline the principles of chemotherapy of HIV infection.  
b. Describe the first line WHO regimens and guidelines for adults with HIV.
2. a. Describe the physiology of Renin Angiotensin System.  
b. Explain the clinical pharmacology of drugs acting on RAS.

**II. Short notes:**

**(10 x 5 = 50)**

1. FOLFIRINOX regimen.
2. Combination therapy of visceral leishmaniasis.
3. Management of pulmonary hypertension.
4. Pharmacotherapy of Hepatitis C virus infection.
5. Clinical pharmacology of ergot alkaloids.
6. Reversal of non depolarizing neuromuscular blockade.
7. Agents stimulating thrombopoiesis.
8. WHO analgesic ladder.
9. Chemoprophylaxis of malaria.
10. Pharmacotherapy of Irritable bowel syndrome.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. Dopamine agonists in Diabetes mellitus.
2. Drugs and nephrotoxicity.
3. Halogens as antiseptics.
4. Salicylates and acid – base balance.

\*\*\*\*\*