

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

**[PHARMD 0423]**

**APRIL 2023**

**Sub. Code: 3813**

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

*Q.P. Code: 383813*

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Classify fibrinolytics with examples. Explain the mechanism of action, adverse effects and uses of any two of them.
2. Explain acute, subacute and chronic toxicity studies.
3. Classify Anti-malarial. Describe the mechanism of action, therapeutic uses and adverse effects of chloroquine. Write a note on drugs used in prophylaxis of malaria.
4. Classify diuretics with suitable example. Give the pharmacology, mechanism of action, adverse effects and therapeutic uses of thiazide diuretics.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Write a note on haematinics.
2. Write a note on co-trimoxazole.
3. Write briefly on immunosuppressant actions of Glucocorticoids.
4. What is RNA processing? Write the importance of rRNA, tRNA and mRNA.
5. Brief the Nucleotide Reverse Transcriptase inhibitors.
6. Describe the signal transduction pathway of Janus kinase pathway.

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