

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

[PHARMD 0424]

APRIL 2024

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. What is DNA replication? Write about Eukaryotic DNA replication.
2. Classify Cephalosporins with examples. Describe the mechanism of action, anti-bacterial spectrum, therapeutic uses and adverse effects of third generation Cephalosporins.
3. Classify Immuno suppressants. Describe the mechanism of action, therapeutic uses, adverse effect of calcineurin inhibitors.
4. What is cell signaling? Write about various pathway involved in signal Transduction. Explain any two of them.

II. Write notes on:

(6 x 5 = 30)

1. Classify diuretics showing their site of action in nephorn.
2. Tetracyclines.
3. Acyclovir.
4. Clopidogrel.
5. Pharmaceutical applications of Recombinant DNA technology.
6. Acute Toxicity studies.
