

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

**[PHARMD 0321]**

**MARCH 2021**

**Sub. Code: 3813**

**(OCTOBER 2020 EXAM SESSION)  
PHARM. 'D' DEGREE EXAMINATION  
THIRD YEAR (2009-2010 Regulation)  
PAPER I – PHARMACOLOGY - II  
Q.P. Code : 383813**

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Classify cell wall synthesis inhibitors with example and give the mechanism of action, antimicrobial spectrum and therapeutic uses of Beta Lactum antibiotics.
2. Explain about various phases of cell cycle and give the details of check points, regulators and modifiers of cell cycle.
3. Describe in detail about gene expression system in eukaryotes.
4. Classify anticancer drugs based on their mechanism of action and describe the pharmacology of anti-metabolites.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Classify anti-platelet drugs and explain mechanism of action and therapeutic uses of Clopidogrel.
2. Therapeutic uses and adverse effects of Potassium sparing diuretics.
3. Explain mechanism of action, indications, and adverse effects of sulfonamides.
4. Therapeutic uses and Adverse effects of Immunosuppressants.
5. Classify Antifungal Drugs.
6. Explain cell signaling through Ion channels.

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