

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

[LP 350]

OCTOBER 2019

Sub. Code: 2911

**M.PHARM. DEGREE EXAMINATION  
FIRST YEAR  
BRANCH IV – PHARMACOLOGY  
PAPER II – PHARMACOLOGY AND TOXICOLOGY**

*Q.P. Code: 262911*

**Time: Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Classify Anti-cancer drugs and explain the mechanism, uses and adverse effect of nitrogen mustard and platinum co-ordination compounds.
2. Explain the general principle of the treatment of acute poisoning.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Define the following terms:  
a) Half life    b) Phototoxic    c) Drug dependence    d) Teratogenicity  
e) Therapeutic index
2. Classify muscarinic receptors and explain the role of each.
3. Classify Anti-asthma drug and explain the mechanism of action of Leukotriene antagonist and mast cell stabilizer.
4. Write a note on oral contraceptives.
5. Write the mechanism of action of drug used in angina.
6. Write the difference between non depolarizing agents and depolarizing blockers.
7. Explain the plasma volume expanders and there ideal characters.
8. Classify anti fungal drugs and explain the mechanism and drug interaction of konazol derivatives.
9. Different mechanism of drug absorption.
10. Write the different mechanism of microbial resistance to antibiotic.

\*\*\*\*\*