

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

(LO 4269)

FEBRUARY 2019

Sub. Code: 4269

**B.PHARM. DEGREE EXAMINATION
FOURTH YEAR
PAPER III – PHARMACOLOGY - II**

Q.P. Code: 564269

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Define and classify Laxatives. Mention its uses. Discuss the mechanism of Bulk and Stimulant Purgatives.
b) Write the composition and uses of Oral Rehydration Solution.
2. a) Define Clinical Trial. Discuss various phases of clinical trial.
b) Write notes on Pre-clinical study.

II. Write notes on:

(8 x 5 = 40)

1. Classify oral hypoglycaemic agents. Discuss the mechanism of sulfonylureas.
2. Describe the mechanism of antibiotics that inhibit cell wall synthesis with examples.
3. Write briefly on the role of Vitamin K in blood coagulation.
4. Discuss the biosynthesis and patho-physiological role of Serotonin.
5. Write the symptoms and treatment of Copper poisoning.
6. Define the term Glaucoma. Discuss the drugs used for the treatment of Glaucoma.
7. Define Chronopharmacology. Discuss the applications of Chronotherapeutics in the treatment of diseases.
8. Write notes on Immunostimulants.

III. Short answers on:

(10 x 2 = 20)

1. Give examples for Second Generation Cephalosporins.
2. What is Acid Neutralizing Capacity of Antacids?
3. Name two Antithyroid Drugs.
4. Mention the uses and ADR of Clopidogrel.
5. Give example for Leukotriene Antagonist and write its uses.
6. Define ANOVA and write its application.
7. List out various toxicities of Chemotherapeutic Agents.
8. Define Teratogenicity. Give example.
9. What are the therapeutic uses of Artemether?
10. Name two Anticancer Antibiotics.
