

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

(LN 4269)

AUGUST 2018

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) Classify Sulfonamides. Discuss the mode of action, Adverse Drug Reaction and uses of Sulfonamides.  
b) Discuss the development of drug resistance by microorganism against anti-microbial agents.
2. a) Write elaborately on the general principals in the treatment of poisoning.  
b) Write notes on Heavy Metal Poisoning.

**II. Write notes on:**

**(8 x 5 = 40)**

1. List out various Oral Contraceptives. Add a note on combined pill.
2. Classify Antiviral Agents. Discuss the mechanism of Nucleoside Reverse Transcriptase Inhibitors.
3. What are Plasma Volume Expanders? Give example. Write notes on Dextran.
4. Classify antihistamines. Discuss the pharmacological actions and uses H<sub>1</sub> receptor antagonist.
5. Classify Anti-cancer agents. Write the mechanism of Alkylating Agents.
6. Define Conjunctivitis. Discuss the drugs used for the treatment of Conjunctivitis.
7. With suitable examples discuss the importance of Chronopharmacology.
8. Discuss the applications of Bio-Statistics in Pharmacy.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Examples for Beta lactamase inhibitor.
2. Write the uses of Metoclopramide.
3. Name two Anabolic Steroids.
4. Give example for Parenteral Iron Supplements.
5. Write the Pathophysiological role of Pentagastrin.
6. Define Oxytocics and Tocolytics with example.
7. Mention the uses of Terbinafine.
8. What is British Antilewisite? Write its therapeutic application.
9. Define the term Immunomodulators with example.
10. List out the toxicities of Aminoglycosides.

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