

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY  
(LR 4269) DECEMBER 2020 Sub. Code: 4269  
(AUGUST 2020 SESSION)  
**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 Antiulcer drugs. discuss the mechanism of action, therapeutic uses and adverse effects of H<sub>2</sub> receptor antagonist.  
b) Drugs used in the treatment of H. Pylori infection.
2. a) Classify beta lactam antibiotics and describe the mechanism of action, therapeutic uses and adverse effects of Penicillin G.  
b) Write a note on beta lactamase inhibitors.

**II. Write notes on:** (8 x 5 = 40)

1. Compare and contrast Oxytocin and Ergotamine.
2. Write briefly on heavy metal poisoning and their treatment.
3. Discuss the drugs acting on Uterus.
4. Write notes on blood plasma and volume expanders.
5. Write the mechanism of action of Fluroquinolones.
6. Classify the drugs used in Malaria.
7. Describe the steps involved in synthesis and metabolism of Bradykinin.
8. Discuss the mechanism of action, therapeutic uses and adverse effects of Sulphonamide.

**III. Short answers on:** (10 x 2 = 20)

1. Name two oral anticoagulants.
2. Define student "t" test and its application.
3. Mention the uses and adverse effects of Loperamide.
4. What is cross resistance?
5. Therapeutic uses of Glucocorticoids.
6. Define the term Carinogenicity.
7. What is post marketing surveillance?
8. How streptomycin act as anti-tubercular drugs? Comment?
9. What is Lepra reaction?
10. Adverse effects of Cimetidine.

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