**PAPER CODE: MB2019111**

## KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

## WARANGAL, TELANGANA STATE - 506002

## MBBS SECOND YEAR DEGREE SUPPLEMENTARY EXAMINATIONS

## AUGUST, 2023

## PHARMACOLOGY (NEW REGULATION) PAPER-I

Time: 3 Hours                                              Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

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**Write Essay on the following:**                               2 X15 =30

1. Enumerate the factors Modifying Drug Action. Describe in brief any four factors with their clinical significance. (7+8)
2. Classify Opioid Analgesics. Explain briefly the uses and adverse effects of Morphine. Add a short note on Acute Morphine Poisoning? (6+4+2+3)

**Write a short note on the following:**                          8X5=40

3. Define Bioavailability. Describe four factors influencing Bioavailability.
4. Describe uses and adverse effects of Adrenaline.
5. Treatment of Organophosphorus Compound Poisoning.
6. Enumerate Alpha Blockers. List their Uses.
7. Explain Pre-Anaesthetic medication with examples.
8. Mechanism of action, uses and adverse effects of Succinylcholine.
9. Describe the Mechanism of action and uses of Proton Pump Inhibitors (PPIs).
10. Describe how to motivate patients with Ischemic Heart Disease to adhere to the prescribed treatment of the Physician.

**Write briefly on the following:**                               10 X 3=30

11. Define Therapeutic Index. Explain its significance with examples.
12. Explain the rationale of using Dopamine in Acute Renal Failure.
13. Outline the Pharmacotherapy of Methyl Alcohol Poisoning.

14. Explain the rationale of combining Adrenaline with Lignocaine.

15. Over the counter drugs (OTC).

16. Outline the mechanism and Pharmacotherapy of Paracetamol Toxicity.

17. Define a Chelating agent. Explain with examples.

18. A 60-year-old male with hypertension was brought to casualty with an attack of bronchial asthma. His treatment history showed Propranolol for hypertension. Identify the cause and further treatment.

19. Name two Mucolytic Drugs with indications for their use.

20. Mention three atypical Anti-Psychotics with one specific side effect each.

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