

**PAPER CODE: MB2019111****KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES****WARANGAL, TELANGANA STATE - 506002****MBBS SECOND YEAR DEGREE EXAMINATIONS: APRIL/MAY, 2022****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 an essay on the following:****2 X15 = 30**

1. Classify Antiepileptic drugs. Write the mechanism of action, therapeutic uses and adverse effects of Sodium Valproate. (6+3+3+3)
2. Classify Beta Blockers. Write the mechanism of action, therapeutic uses and adverse effects of Propranolol. What are the advantages of Cardio selective Beta Blockers? (6+3+2+2+2)

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

3. Define Receptors. Explain Ion Channel Receptors.
4. Mention five Prostaglandins with specific Therapeutic uses.
5. Explain teratogenic agents with examples.
6. Paracetamol poisoning and its treatment.
7. Describe uses and adverse effects of  $\beta_2$  agonists.
8. Mention phase two of drug metabolism with examples.
9. Describe how to counsel hypertension patients using various medications (Polypharmacy) with emphasis on drug interactions.
10. Differences between Adrenaline and Nor- Adrenaline?





**Write briefly on the following:**

**10X3=30**

11. Mention treatment for Drug Induced Parkinsonism.
12. Mention six drugs for the treatment of Rheumatoid Arthritis.
13. Alpha Blockers in Therapeutics.
14. Over the Counter drugs.
15. Therapeutic uses of centrally acting muscle relaxants.
16. Mention three advantages of Benzodiazepines over Barbiturates.
17. Explain apparent volume of distribution with three examples.
18. What is the rationale of combining Adrenaline with Lidocaine?
19. Three advantages and Three disadvantages of intramuscular route of drug Administration.
20. Mention three Drugs used for treatment of Constipation.

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