

THE APOLLO UNIVERSITY

Saketa, Chittoor, AP

AHS- IV Semester End Examination, June, 2024

PAPER -I – AOTT 2504 - APPLIED PHARMACOLOGY II

Time: 3 hours

Max. Marks: 60

Section –A (10x2=20 marks)

Answer all Questions with Short Answers

1. What is the brand name of diazepam and its use?
2. What is the primary use of Thiopentone in anesthesia induction?
3. Define the importance of Muscle relaxants in surgery
4. Draw a label diagram of Neuron.
5. List the three indications of inhalation anesthesia. Define MAC
6. What are Myasthenia gravis and paralytic ileus?
7. Write MOA of Local Anesthesia.
8. What is the primary target of local anaesthetics in nerve fibres?
9. Write the uses of Mannitol
10. Define the metabolism of adrenaline

Section –B (5X8=40 marks)

Answer all Questions either A or B in 400 words each

11. A) Compare the mechanisms of action and effects on CVS, RS, and CNS of Diazepam and Midazolam during induction of anesthesia.
OR
B) Discuss the pharmacodynamics and pharmacokinetics of Propofol.
12. A) Discuss the differences between the Pancuronium and Vecuronium in onset of action, duration of action, and metabolism.
OR
B) Recall the clinical indication, adult IV dose, and mechanism of action of Anectine.
13. A) Compare and contrast the dynamics and kinetics of Atropine and glycopyrrolate.
OR
B) Discuss the advantages and disadvantages of intravenous and inhalation anesthetic agents.

Cont...

14. A) Describe the MOA, dynamics, and kinetics of Local anesthetic agents.
Write short notes on Bupivacaine.

OR

B) Discuss the difference between sensorcaine and Ropivacaine.

15. A) Differentiate dynamics and kinetics between Dopamine and Dobutamine.

OR

B) Compare and contrast the indication, mode of action, and dynamics of Antihypertensive and antiarrhythmic drugs.
