Pharmacology Questions

Q1. Compare and contrast the pharmacology of Alfentanil and Remifentanil explaining why they have different duration of action.

Q2. Define the terms Summation, Potentiation, Synergism and Antagonism, giving examples as illustration.

Q3. Describe how the physiochemical properties of local anaesthetics relate to their potency, speed of onset and duration.

Q4. Compare and contrast diazepam and midazolam.

Q5. Prostaglandins PGE2, PGF2α and PGF1 analogues have been used as abortofacients uterine stimulants before and during anaesthesia. Describe the mechanism of action and their potential adverse effects.

Q6. Briefly describe the factors modifying the induction dose of thiopentone in anaesthesia.

Q7. Describe the haemodynamic effects of nitroglycerin and explain how different routes of administration affect its action?

Q8. Explain chirality (enantiomerism) and briefly discuss its importance to the pharmacology of anaesthetic drugs, giving examples to illustrate your answer.

Q9. Describe the clinical features of digitalis toxicity including factors that predispose to its toxicity.

Q10. Compare and contrast atropine and glycopyrrolate.

Q11. Discuss the importance of plasma cholinesterases in anaesthesia.

Q12. Describe Chi-square test, and outline the limitations of this test?