山东医科大学试卷

PART I CHOICE QUESTIONS (50)

T.YPE A

- 1. The drug able to penetrate bram barrier is a compound with
 - A. high polarity
 - B. high lipid solubility
 - C. high molecular weight
 - D. high water solubility
 - E. low molecular weight
- 2. After repeated administration, the response of the body to drugs is reduced, this phenomenon is called
 - A. selectivity of the drug
 - B. tolerance of the drug
 - C. dependence of the organism
 - D. hibituation
 - E. neither is correct
- 3. A weak base has PKa=9; if the medium in which it is dissolved has a pH=7 what will be ratio of the concentrations of ionised to unionised forms of the base?
 - A. 100:1
 - B. 1:100 C. 10:1
 - D. 1000:1 B. 1:1
- 4. A drug with the 3 hrs is given iv, the steady state of the plasma concentration can be expected within
 - A. 6 hrs
- B. 9 hrs
- C. 15 hrs
- D. 20 hrs 5. 30 hrs
- 5. The fi st-pass effect occurs most often after which rout of drug administration?

- A. sublingual
- B. subcutaneous
- C. intravenous
- D. intramuscular
- E. oral
- 6. Antagonist has
 - A. affinity for receptors but no intrinsic activity
 - B. no both affinity and intrinsic activity
 - C. affinity and weak intrinsic activity
 - D. affinity and low effic cy
 - E. high affinity and efficacy
- 7. PA, is
 - A. therapeutic index
 - B. antagonist
 - C. affinity index
 - D. dissociation constant
 - E. elimination rate constant
- 8. A patient with a systemic infection is being treated with an antibiotic whose the is 8hrs. In order to maintain the patient's total body store at 300 mg of the antibiotic, what should be?
 - A. 100 mg every 8 hrs
 - B. 200 mg every 8 hrs
 - C. 300 mg every 8 hrs
 - D. 400 mg every 8 hrs
 - E. 500 mg every 8 hrs
- 9. The maximum effect (Emax) achieved by a drug is measure of