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山东医科大学试题

课程: PHARMACOLOGY

成绩:

学号:

年级:

班次:

姓名:

FINAL EXAM OF PHARMACOLOGY FOR 7-YMS-1989

1993-6-23

PART I: CHOICE QUESTIONS (80 POINTS)

TYPE A

1. A weak acidic drug with $pK_a=5.4$, if the stomach juice $pH=1.4$, plasma $pH=7.4$, when the distribution balances, what is the drug concentration ratio between plasma and stomach juice
A. 50 B. 100 C. 101
D. 10000 E. 0.0001
2. Aspirin is a weak acid with $pK_a=3.5$, what percentage of lipid-soluble form will be in the stomach juice with $pH=1.5$?
A. 1% B. 10% C. 50%
D. 90% E. 99%
3. Atropine has the following effects EXECPT
A. mydriasis B. spasm of accommodation
C. increase intraocular pressure
D. decrease salivary secretion
E. stimulation of brain in larger dose
4. The elevated blood pressure caused by adrenaline can be reversed by
A. propranolol B. ephedrine
C. isoprenaline D. levodopa
E. wintermin
5. Which of the following adrenominetic drugs is able to dilate renal vessel and increase renal blood flow?
A. aramine B. epinephrine
C. dopamine D. ephedrine
E. isoprenaline
6. Which of the following drugs can cause insomnia
A. adrenaline B. isoprenaline
C. ephedrine D. scopolamine
E. atenolol
7. Pindolol can increase heart rate by activating beta-receptors in the absent of other drugs, however, in the presence of isoprenaline in much higher doses, pindolol decreases heart rate. Therefore, pindolol is
A. noncompetitive antagonist