

Practice Questions for Exam 2

- (1) Reason(s) for synthesizing a new drug analog:
 - a) Provide easy administration to patient
 - b) Decrease side effects
 - c) Increase potency
 - d) All of the above

- (2) The standard deviation measures the spread of data about the mean. If the data are distributed randomly around the mean, then:
 - a) 95.4% of all the results are $\pm 1 \sigma$ of the mean
 - b) 95.4% of all the results are $\pm 2 \sigma$ of the mean
 - c) 95.4% of all the results are $\pm 3 \sigma$ of the mean
 - d) 95.4% of all the results are $\pm 4 \sigma$ of the mean

- (3) Which of the following areas apply to the study of pharmacodynamics:
 - i) drug metabolism
 - ii) drug adsorption
 - iii) drug toxicity
 - iv) drug efficacy
 - a) all of the above
 - b) i, iii, and iv
 - c) iii and iv
 - d) ii and iii

- (4) What is the complimentary strand of RNA to 3'-GTACCTAGT-5'?
 - a) 5'-CAUGGAUCA-3'
 - b) 3'-CAUGGAUCA-5'
 - c) 5'-ACUAGGUAC-3'
 - d) 5'-GUACCUAGU-3'

- (5) Which of the following is true about the different types of RNA (m, t, and r)
 - a) They are all made of A, C, G, and U

- b) They are all needed to make proteins from RNA
- c) They all have distinct folded 3D structures
- d) a & b