

Module 8 Exam

Question 1

2.5 / 2.5 pts

Each of the following statements are true regarding control over the GFR except:



The kidney can maintain a constant GFR despite variations in the arterial blood pressure of the rest of the body.



The sympathetic nervous system cannot supersede the renal autoregulatory system.

The sympathetic nervous system can supersede the renal autoregulatory system.



The RAA responds when blood pressure drops below normal limits.

Question 2

2.5 / 2.5 pts

Which of the following statements is false regarding ADH?



Elevated levels of ADH will lead to a small volume of concentrated urine.



Decreased levels of ADH will lead to dilute urine.



Alcohol increases ADH levels.

alcohol is a diuretic and will inhibit the release of ADH.

Question 3

2.5 / 2.5 pts

Juxtamedullary nephrons are characterized by the following except:



They make up 85% of all nephrons

they make up 15% of all nephrons



They originate deep in the cortex



Their loops of Henle extend across the entire medulla

Question 4

2.5 / 2.5 pts

Low Na^+ levels in the plasma and interstitial compartment is characteristic of which of the following fluid imbalances?



Dehydration



Water intoxication



Edema

Question 5

2.5 / 2.5 pts

Reabsorption in the PCT is characterized by the following except:



Na^+ and water are reabsorbed in equal proportions



Glucose and amino acids are minimally reabsorbed in the PCT

glucose and amino acids are almost completely reabsorbed in the PCT



Sodium, chloride, potassium, and bicarbonate are 65%-80% reabsorbed from the filtrate

Question 6

2.5 / 2.5 pts

Which of the following is/are true regarding acid-base disorders? (mark all that apply)

A. Metabolic disorders are a result of a change in plasma HCO_3^- levels

B. Respiratory disorders are a result of a change in plasma CO_2 levels

C. Normal HCO_3^- = 35-45 mm

D. Normal blood pH = 7.35-7.45



A.



B.



C.



D.

Question 7

0 / 2.5 pts

Acute postinfectious glomerulonephritis is characterized by the following except:



Edema of the hands and face can be a sign of this condition



Associated with a good prognosis and rarely causes kidney disease



Lab results will include an elevated antistreptococcal antibody (ASO) titer