

MODULE 8

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 can supersede the renal autoregulatory system.

Correct!

The RAA responds when blood pressure rises above normal limits.

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.

Correct!

Elevated levels of ADH will lead to dilute urine.

decreased levels of ADH will lead to dilute urine.

Alcohol inhibits ADH.

Question 3

2.5 / 2.5 pts

Which of the following statements is true regarding nephrons?

It is divided into an outer medulla and an inner cortex

It has 1 source of blood supply

Correct!

The glomerulus filters the blood while the tubule reabsorbs needed nutrients

Question 4

0 / 2.5 pts

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

You Answered

Dehydration

Correct Answer

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

Correct!

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 balance? **(mark all that apply)**

Correct!

Acid-base balance refers to the balance of the concentration of hydrogen ions (H^+) in the blood

Acid-base balance refers to the balance of the concentration of bicarbonate ions (OH^-) in the blood

Venous blood is characterized by a more alkaline pH

Correct!

A higher concentration of H^+ ions will decrease the pH of the blood

Question 7

2.5 / 2.5 pts

Acute postinfectious glomerulonephritis is characterized by the following except:

Typically caused by a streptococcal infection

Correct!

Associated with a poor prognosis as it often leads to CKD
the prognosis is good when underlying cause is treated

Accompanied by glomerular enlargement and hypercellularity

Oliguria is often the first symptom

Question 8

2.5 / 2.5 pts

Which of the following is characteristic of acute transplant rejection?

Occurs months to years after transplant

Correct!

Involves increased T lymphocytes

It does not respond well to immunosuppressive therapy

Question 9

0 / 2.5 pts

Which of the following is true of 25-hydroxycholecalciferol?

You Answered

It is the inactive form of vitamin D taken in through the skin via UV rays

It is the inactive form of synthetic vitamin D

Correct Answer

It is the active form of vitamin D, converted in the liver