Physiology archive week 4

Name the disorders if you have Given the following values for arterial blood gas test (ABG):
ABGs pH =7 PCO2=SO
mmHg HC03=27 mEq/L? Select one:
a. Respiratory acidosis without renal compensation
b. Respiratory alkalosis with renal compensation
c. Metabolic acidosis with respiratory compensation
d. Metabolic alkalosis without respiratory compensation
e. Respiratory acidosis with respiratory compensation
Ans:a

Which of the following is NOT consistent with Arterial Blood Gas (ABG)? Select one:
a. Blood pH
b. Patients with critical care sitting
c. Acidemia above 7.35
d. Alkalemia above 7.45
e. pH Tower than 6.8 or higher than 8.0 death may occurs
Ans:c

Which of the following matched pairs are NOT true regarding function of renal system? Select one
a. Glomerulus filtration- From blood to The renal 1ubular lumen
b. Reabsorption - From Lumen of renal tubules to the peritubular capillaries
c. Secretion - Occurs in Loop of Henle
d. Juxtamedullary nephron - Glomeruli located near the medulla
Ans:c

Which of the following is NOT consistent with surfactant? Select one:
a. Type I cuboidal epithelial cells are scattered in alveolar walls
b. Decreases alveolar surface tension
c. Detergent-like substance
d. Premature babies - problem breathing is largely because lack surfactant
e. If the alveoli were lined with pure water without any surfactant, the pressure would calculate to be about 4.5times as greater
Ans:a

Which of the following is NOT true regarding air- blood barriers? Select one:
a. A place where gas exchange occurs, Oxygen diffuses from air in alveolus to blood in capillary
b. A place where carbon dioxide diffuses from the blood in the capillary into the air in the alveolus
c. Phenomenally thin
d. The area is about 50 to 1 00 square meters enormous area
e. According to flicks law the diffusion rate across this barrier is very low
Ans:e

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Which of the followings is NOT related to the function of renal system? Select one:
a. Not effective in requlation of arterial blood pressure
b. Requlation of acid-base balance
c. Secretion of erythropoietin
d. Regulation of 1,25-Dihydroxy vitamin D3
e. Gluconeogenesis
Ans:e

One of the following is related to increase glomerular filtration rate? Select one:
a. Decreased renal blood flow
b. Decreased colloid osmolic pressure
c. Hemorrhage
d. Decreased capillary hydrostalic pressure
e. Edema
Ans:b