Sample Questions

Basic Biology

1. What happens in Hypoxic hypoxia?
   a. The arterial pO₂ becomes 100 mm of Hg
   b. The arterial pO₂ falls below 100 mm of Hg
   c. The arterial pCO₂ becomes 30 mm of Hg
   d. The arterial pCO₂ rises above 40 mm of Hg

2. Refer to the labeled parts of a human heart. Which of the following parts does ‘B’ signify?
   a. Tricuspid valve
   b. Pulmonary semilunar valve
   c. Mitral valve
   d. Aortic valve
3. Martin was admitted to hospital with pancreatitis. He was recommended to take pancreatic enzyme as a supplement. How should the enzyme be consumed?

a. It should be chewed with warm water.
b. It should be mixed with juice and consumed.
c. It should be administered intravenously after the meals
d. It should be chewed with hot milk.

4. Refer to the ECG output shown in the image.
Which of the following conditions would lead to a QRS complex wave as shown in the electrocardiograph?

a. Atrial depolarization
b. Ventricular depolarization
c. Atrial repolarization
d. Ventricular repolarization
5. A nurse needs to prepare a discharge teaching plan for a woman who underwent hysterectomy 2 days ago. Which of the following should she advise the woman to do?

A. Perform light abdominal exercises
B. Restrict strenuous physical activity
C. Intake of a low-fat diet
D. Use of oral contraceptives

   a. Only A
   b. Only C
   c. B and D
   d. A, B and C
   e. A, B, C and D

6. Aaron suffered a serious head injury in an accident. On further investigation, the doctor found that his hippocampus was damaged. What could this result in?

   a. Emotional instability
   b. Inability to build long term memory
   c. Body imbalance
   d. Decrease in body temperature

7. Peptic ulcer is caused by all of the following factors except _____________.

   a. excessive use of no steroidal anti-inflammatory drugs like aspirin
   b. bacterial infection by Staphylococcus
   c. action of digestive enzyme called amylase
   d. excessive secretion of vasoactive intestinal polypeptide
8. Identify the organ/part when inflamed is called appendicitis

a. A
b. B
c. C
d. D
e. E
9. Which of the following bones is a marker for various diseases and is also an important element in the primary diagnosis of brittle bone disease?

   a. Sutural bone
   b. Frontal bone
   c. Navicular bone
   d. Patella bone

**All set to take the AMCAT?**

**Schedule your AMCAT if you've not done it so far!**