

Answer a total of 5 questions (each 20 %)

1. Why can the information flow through a neuronal network consisting of afferent neurons, efferent neurons, and interneurons?
2. How can an electric stimulus lead to skeletal muscle contraction?
3. Contrast and compare cardiac muscles with skeletal and smooth muscles.
4. Why does moderate anemia or carbon monoxide exposure not stimulate the peripheral chemoreceptor?
5. What is the mechanism of sodium reabsorption, and how is the reabsorption of other solutes coupled to it?