

Answer the following questions (10 points/each question):

1. State the regulation of blood pressure in human body.
2. Explain the thermoregulation in human body.
3. State the control mechanism in human respiration.
4. Explain the homeostatic mechanism of acid-base balance in human body.
5. State the digestive hormones as you know.
6. By what mechanism does heparin prevent venous clotting?
7. Describe the sequency of events, both electrical and biochemical, which occur in skeletal neuromuscular transmission.
8. How do carbonic anhydrase inhibitors reduce the formation of intraocular fluid? What is the renal effect of carbonic anhydrase inhibition during the therapy for glaucoma?
9. What is the major effects of insulin on liver, muscle and adipose tissue?
10. What are the basic ion fluxes occurring through the five phases of a typical cardiac action potential?

"Typical cardiac action potential"

