

Answer a total of 5 questions (each 20%)

1. Trace the events as the muscle spindle is activated by action potentials in the gamma motor neuron.
2. Illustrate with an example, the simplest way in which secretion of a hormone may be regulated in our body.
3. What are the three important parameters in homeostasis the respiratory system controls? Select any one of them and explain how the control is achieved.
4. Describe two important functions of the large intestine and how they are achieved.
5. What is the normal value of the mean arterial blood pressure in human? How is that regulated?
6. What is the importance of synapse? Outline how synaptic transmission can be altered?

-- End of questions --