

**Answer All The Questions****10 X 10 = 100 Marks**

1. Explain the steps of transmission across the neuro-muscular junction. Add a note on neuro-muscular blocking drugs.
2. Describe the steps of excitation-contraction coupling in smooth muscle.
3. Explain the steps of photo-transduction.
4. Impedance matching.
5. List the properties of synapse. Add a note on synaptic inhibition.
6. What is decerebrate rigidity? Differentiate between Sherrington's and Pollock and Davies's decerebrate rigidity.
7. Explain the role of hypothalamus in regulation of body temperature.
8. Describe the structure and function of muscle spindle.
9. Classify memory. Add a note on Alzheimer's disease.
10. Discuss the cardio respiratory adjustments during exercise.

\* \* \* \* \*

[www.FirstRanker.com](http://www.FirstRanker.com)