Assignment 6

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment. Due on 2019-03-13, 23:59 IST.

1) As the transmembrane potential reaches +30 mV, the ___________ of the voltage regulated sodium channels begin closing

- activation gates
- equilibrium gates
- inactivations gates
- pumps

No, the answer is incorrect.
Score: 0
Accepted Answers:
inactivations gates

2) In general flow of a signal in nerves, at a synapse, _______ are presynaptic terminal and _______ are postsynaptic terminal.

- dendrites, dendrites
- dendrites, axon
- axon, dendrites
- axon, axon

No, the answer is incorrect.
Score: 0
Accepted Answers:
axon, dendrites

3) Despite the ___________ of muscle cells as compared to neurons, action potentials are propagated relatively slowly in muscle cells

- small diameter
- large diameter
- network of sarcoplasmic reticulum
- large extracellular fluid

No, the answer is incorrect.
Score: 0
Accepted Answers:
Animal Physiology: Feedback For Week 6

4) ____________ is believed to be the seat of memory and its shape is similar to that of ____________
   - Substantia niagra, hippopotamus
   - Substantia niagra, sea horse
   - Hippocampus, hippopotamus
   - Hippocampus, sea horse

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Hippocampus, sea horse

5) The first learning model was proposed by ____________
   - Donald Hebb
   - J D Watson
   - Francis Crick
   - Richard Feynmann

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Donald Hebb

6) Long term potentiation was first demonstrated by ____________
   - Bliss
   - Lomo
   - Collingridge
   - all of the above

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - all of the above

7) The seat for emotional memory is believed to be ____________
   - spinal cord
   - olfactory bulb
   - amygdyla
   - motor cortex

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - amygdyla

8) ____________ have two distinct process: one dendritic process that branches extensively at its distal tip and one axon, with a cell body between them
   - Anaxonic neuron
   - Unipolar neuron
   - Bipolar neuron
9) Hyperactivity of the neurons is observed in __________ during epilepsy
   - substantia niagra
   - spinal cord
   - hippocampus
   - olfactory bulb
   
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Bipolar neuron

10) An action potential in an axon may last __________ millisecond versus 7.5 millisecond
    in a skeletal muscle fiber
    - 0.5 millisecond
    - 7.5 millisecond
    - 8.5 millisecond
    - 9.5 millisecond
    
    No, the answer is incorrect.
    Score: 0
    Accepted Answers:
    0.5 millisecond