

## Biology - 12th Class Biology Chapter 17 Short Questions Preparation

Q1. Give the name of structural components of limbic system.	
Ans 1: Limbic system includes hypothalamus,hippocampus and amygdala.	
Q2. Write a note on Alzheimer's disease.	
<b>Ans 1:</b> It is characterized by decline in brain function. Its symptoms are similar to those of demenntia (memory loss). There is genetic predeposition to the disease in some people. So it runs in families.	
Q3. What are biorhythms and diurnal rhythms?	
<b>Ans 1:</b> Biorhythms are the biological activities of living organisms which are performed at regular intervals are called biorhythms. Diurnal rhythms are the biological activities of organisms which are performed during one day 0r 24 hours.	
Q4. Write four important roles of ethylene.	
Ans 1: Ethene inhibits root growth.	
Ans 2: Break dormancy of buds	
Ans 3: promote fruit ripening.	
Ans 4: Promote flowering in pineapple.	
Q5. Compare photoreceptors with chemoreceports.	
Ans 1: Chemoreceptors These are sensitive for chemical changes. These are for smell, taste and for blood carbon dioxide and oxygen, glucose, amino acids and fatty acids (receptors in hypothalamus)	
Ans 2: Photoreceptors Electromagnetic receptors or photoreceptors respond to stimuli of light for example in eyes,rods and cones	
Q6. What is reflex action?	

Ans 1: Reflex action is a type of involuntary action. The direction of stimulus is from receptors to sensory neuron to associative

neuron and then through motor neuron to the effectors.

Q7. What	are pacinian corpuscles?
	Pacinian corpuscles situated deep in the body. These are also encapsulated neuron endings and receive the deep stimulus. Those located in the limbs probably from a basis for vibration sense.
Q8. Which	Hormones are secreted by posterior lobe of pituitary gland?
Ans 1:	Antidiuretic hormone and oxytocin are secreted by the posterior lobe of pituitary gland.
Q9. Sketch	n and label sensory neuron.
Ans 1:	Differentiate between axons and dendrites.
Ans 2: I cell body.	Dendrite It is cytoplasmic fiber of neuron which is smaller in size but many in number and conduct nerve impluse towards
Ans 3: /	Axon It is cytoplasmic fiber of neuron which is very long in size and one in number and conduct nerve impulse away from
Q10. Enlis	t any four types of learning behavior.
Ans 1:	Four types of learning behavior are
Ans 2:	mprinting
Ans 3:	Habituation
Ans 4: i	nsight learning
Ans 5:	Latent learning