

DEPARTMENT OF GENERAL EDUCATION
DIET ERNAKULAM
VAIBHAVAM 2021
SSLC- ACADEMIC SUPPORT

T-9

BIOLOGY – TEST -1 - ANSWER KEY
 (UNIT – 1,2)

SCORE : 20

Question No	Indicators	Score	Total score						
1	Photopsin or Iodopsin	1	1						
	Sensory nerve	1	1						
3	(b) The part of the retina where plenty of photoreceptors are present.	1	1						
4	Ear ossicles	1	1						
5	Dendrite - Branches of Dendron.	1	1						
6	(a)The deficiency of Vitamin A results in the low production of retinal. This in turn prevents the resynthesis of rhodopsin (b) Xerophthalmia	1	2						
		1							
7	<table border="1" style="width: 100%;"> <tr> <td>Sympathetic system</td> <td>Parasympathetic system</td> </tr> <tr> <td>(c) Heart beat increases.</td> <td>(a) Glucose is converted to glycogen</td> </tr> <tr> <td>d) Production of saliva decreases.</td> <td>(b) Trachea contracts</td> </tr> </table>	Sympathetic system	Parasympathetic system	(c) Heart beat increases.	(a) Glucose is converted to glycogen	d) Production of saliva decreases.	(b) Trachea contracts	1	2
	Sympathetic system	Parasympathetic system							
	(c) Heart beat increases.	(a) Glucose is converted to glycogen							
d) Production of saliva decreases.	(b) Trachea contracts								
	1								
		1							
8	(a)Alzheimer's (b)Accumulation of an insoluble protein in the neural tissues of the brain. Neurons get destroyed.	1	2						
		1							
9	(A)Aqueous humor (B) Lens (C) Retina (D) Optic nerve	1/2 + 1/2+ 1/2+ 1/2	2						
10	(a)Cerebrum (b) Medulla oblongata (c) Hypothalamus	1 +1+1	3						
11	(d) Aromatic particles diffuse in the air and enter the nostrils.	1/2 x 6	3						
	(e) Aromatic particles dissolve in the mucus inside the nostrils.								
	(b) Stimulate the olfactory receptors								
	(a) Generate Impulses								
	(c) Impulses reach the brain through olfactory nerve								
	(f) We experience smell								
12	(a)Internal Ear	1	3						
	(b) X-Vestibular nerve , Y- Auditory nerve	1/2 + 1/2							
	(c) X-Transmits impulses from the vestiular apparatus to cerebellum	1/2 + 1/2							
	Y- Transmits impulses from the cochlea to the cerebrum								

13	<p>(a) Spinal reflexes</p> <p>(b) Stimulus —→ Receptor Generates impulses. —→</p> <p>Sensory neuron carries impulses to the spinal cord —→</p> <p>Interneuron connects the sensory neuron and the motor neuron. Generates quick responses according to the sensory impulses.</p> <p>—→ Motor neuron carries the information from spinal cord to related muscles. —→ Withdraws the hand by the action of the related muscles.</p>	1 3	4
14	<p>Diagram</p> <p>(a) Axon</p> <p>(b) Synaptic knob</p> <p>(c) Dendrite</p>	1 1 1 1	4