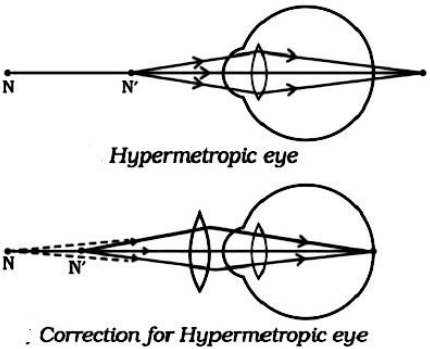


CLASS:X	<b>INDIAN SCHOOL MUSCAT SECOND PERIODIC TEST</b>	SUBJECT: SCIENCE
	<b>SET - C</b>	
QP.NO.	VALUE POINTS	SPLIT UP MARKS
1.	The ability of eye lens to focus nearby and far away objects clearly without strain by adjusting the focal length of eye lens with the help of ciliary muscles is called power of accommodation of human eye.	1
2.	Stars twinkle because they are far away from the earth and they act as point sources of light. The planets in our solar system, much smaller than stars, are closer.	½ ½
3.	$\frac{1}{f} = \frac{1}{v} - \frac{1}{u}$ $= \frac{1}{-30} - \frac{1}{-\infty}$ $f = -30\text{cm}$ $p = \frac{1}{f}$ $= \frac{100}{-30}$ $= -3.33\text{D}$ <p>The type of lens used for correcting the defect is concave lens.</p>	½ ½ ½ ½
4.	<p><b>Hypermetropia (long-sightedness) is the defect of vision where a person can see far away objects clearly but unable to see near by objects clearly.</b></p> <p><b>Any two Causes</b></p>  <p><i>Hypermetropic eye</i></p> <p><i>Correction for Hypermetropic eye</i></p>	1 1 ½ ½
5.	Gallium or Cesium	1
6.	pH=1 - Strongly acidic , pH=11 - Strongly alkaline , pH= 4 -Weakly acidic , pH=9 - Weakly alkaline.	0.5* 4 = 2
7.	1. It is a good conductor of electricity. 2. Electric wires are made of Cu & Al are good conductors of electricity. In order to insulate, these are kept covered with PVC	1 1
8.	X- Calcium Carbonate , Y –Calcium hydroxide , G - Chlorine, Z -Bleaching powder. ( Can write formula also )	0.5* 4 = 2
9.	Sensory neuron carry messages from sense organ to the brain or spinal cord (1/2) Motor neuron carry messages from the brain or spinal cord to muscles or glands (1/2)	1
10.	Spontaneous involuntary response to a stimulus (1/2) Any one example (1/2)	1
11.	When light comes from one side auxin diffuse towards the shaded side (1) Cells grow longer on the side of the shoot away from light (1)	2
12.	Thyroxine (1/2) Iodine(1/2)	2

	Goiter(1/2) Regulate carbohydrate ,fat, protein metabolism (1/2)	
--	---	--