

CLASS: X	<b>INDIAN SCHOOL MUSCAT SECOND PERIODIC TEST</b>	SUBJECT: SCIENCE
	<b>SET - B</b>	
QP.NO.	VALUE POINTS	SPLIT UP MARKS
<b>PHYSICS</b>		
1.	Change in focal length of eye lens by the action of ciliary muscles holding the eye lens	1
2.	$f=1/p$ $F=-0.18m$ $F=+0.66m$	1,1
3.	(i) Student cannot see beyond certain distance is called myopia (ii) using concave lens of suitable power	1,1
4.	(i) *Different color travel through glass with different speed *Different refractive index for different colour (ii) blue colour shorter wavelength is scattered most, when visible sun light from the sun	(i) $\frac{1}{2}$ $\frac{1}{2}$ (ii) 1
<b>CHEMISTRY</b>		
5.	On reacting with water it changes into gypsum giving a hard solid mass	1
6.	Bleaching Powder ..... Calcium oxy chloride $Ca(OH)_2 + Cl_2 \rightarrow CaOCl_2 + H_2O$	$\frac{1}{2} + \frac{1}{2}$ 1
7.	a. PH decreases...it becomes more acidic. b. Bee sting injects formic acid or methanoic acid...using a mild base like baking soda gives relief.	1 1
8.	a) Mercury b) Graphite C) Sodium ,Potassium d) Diamond	$\frac{1}{2} \times 4 = 2$
<b>BIOLOGY</b>		
9.	Brain is protected by cranium (Skull) Spinal cord is protected by vertebral column.	$\frac{1}{2} + \frac{1}{2} = 1$ mark
10.	1. Cell division – Cytokinin 2. Growth of the stem - Auxin	$\frac{1}{2} + \frac{1}{2} = 1$ mark
11.	1. Disease – Diabetes, Hormone – Insulin 2. Gland – Pancreas, Function – Regulates blood sugar level	$\frac{1}{2} + \frac{1}{2} = 1$ $\frac{1}{2} + \frac{1}{2} = 1$ 2 mark
12.	1. a. Root b. Shoot 2. Reflex action is an automatic, spontaneous response to a stimuli where brain is not directly involved.	$\frac{1}{2} + \frac{1}{2} = 1$ 1 2 mark