Q1 .14	Ο.	VALUE POINTS
PHYSI	ICS	
1.		Definition of principal focus of a convex lens.
2.		Statement of the two laws of refraction. 1+1
3.		Convex lens has $m = -1$ Ray diagram of convex lens keeping object at $2F_1$
4.		u= -25 cm; f = -20 cm $\frac{1}{2}$ $\frac{1}{f} = \frac{1}{v} - \frac{1}{u}$ $\frac{1}{v} = \frac{1}{f} + \frac{1}{u}$
		$V = -11.11 \text{ cm} \qquad \frac{1}{2}$ Virtual and erect \frac{1}{2}
OP NO		SET - B

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ODNO	SET - B
QP.NO.	VALUE POINTS
PHYSIC	CS
1.	Definition of power of a lens .
2.	Definition of refractive index of a medium.
	The ratio of the speed of light in air and the speed of light in diamond is equal to 2.42.
3.	Concave lens has $m = +0.4$
	Ray diagram of concave lens
4.	$u = -36 \text{ cm}$ ; $f = +12 \text{ cm}$ $\frac{1}{2}$
	$\frac{1}{f} = \frac{1}{v} - \frac{1}{u} \qquad \qquad y_{2}$
	$v = f + \overline{u}$ QP.NO.
	PHYSICS
	V = +18  cm 1. Definition of r

Real and inverted

	The second secon		
QP.NO.	SET - C		
PHYSICS	VALUE POINTS		
1.	Definition of principal focus of a concave lens .		
2.	Convex lens		
	Real, inverted and magnified		
3.	Ray diagram of refraction through a rectangular glass slab / Definition of lateral displacement		
	Definition of lateral displacement		
4.	u = -30  cm; $f = -15  cm$		
	$\frac{1}{f} = \frac{1}{v} - \frac{1}{u}$ $\frac{1}{v} = \frac{1}{f} + \frac{1}{u}$		
	V = -10  cm		
,	Virtual and erect		

CLASS X	INDIAN SCHOOL MUSCAT	SUBJECT
CLILLO II	SECOND PERIODIC ASSESSMENT	SCIENCE
	Marking Scheme	CHEMISTRY
	SET - A	
Q. NO.	VALUE POINTS	SPLIT UP OF MARKS
5.	The process in which food gets spoiled due to the oxidation.	1
6.	Oxidized- Zn Reduced - CuO	1 1
7.	$(1) Mg + HCl \rightarrow MgCl_2 + H_2$ $(2) NaHCO_3 + HCl \rightarrow NaCl + H_2O + CO_2$	1 1
8.	(1) Dry HCl does not form ions but HCl acid gives H+ and Cl- ions (2) Red	1 1
	SET - B	
Q. NO.	VALUE POINTS	CDI IT LID OF
Q. No.	VALUETOINIS	SPLIT UP OF MARKS
5.	Bring a burning match stick near the gas. It burns with a pop sound.	MARKS 1
6.	Any two methods	2
7.	Oxidizing agent- CuO	0.5
	Reducing agent – H <sub>2</sub>	0.5
	Redox Reaction	1
8.	Carbondioxide	1
	$NaHCO_3 + HC1 \rightarrow NaC1 + H_2O + CO_2$	1
	SET - C	
Q. NO.	VALUE POINTS	SPLIT UP OF MARKS
5.	Blue litmus paper changes to red.	1
6.	Any two methods	2
7.	Oxidizing agent- CuO	0.5
	Reducing agent – Zn	0.5
	Redox Reaction	1
8.	$Zn + HCl \rightarrow ZnCl_2 + H_2$ $Na_2CO_3 + 2HCl \rightarrow 2 NaCl + H_2O + CO_2$	1 1
*		
	;	
		1
		9
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CLASS:X

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## INDIAN SCHOOL MUSCAT SECOND PERIODIC ASSESSMENT MARKING SCHEME

SUBJECT: SCIENCE (BIO)

SET - A

BIOLOGY		
9.	Pyruvate , Cytoplasm (1/2 each)	1
10.	Accumulation of lactic acid in the muscles (1)	1
11.	Breathing – inhalation of oxygen and giving out of CO <sub>2</sub> by nostrils, physical process, No energy change involved (two points (1/2) each Respiration – Oxidation of food, chemical process, energy change (two points (1/2) each	2
12.	Terrestrial –Oxygen from the atmosphere (1/2) Aquatic – (Oxygen dissolved in water(1/2) Amount of oxygen dissolved in water is less and rate of respiration high (1/2), Plenty of oxygen in the air rate of respiration in terrestrial organism is low (1/2)	2

BIOLOGY		
9.	Lactic acid (1)	1
10.	Oxygen is transported with the help of haemoglobin(1/2) Carbon dioxide is transported dissolved in the blood plasma (1/2)	1
11.	Large surface area , thin membrane or bunch of capillaries (any two (1) mark each )	2
12.	Diaphragm flat, ribs lift up, chest cavity expands, volume in the lungs increase pressure decrease (any four points ½ marks each)	2

BIOLOGY		a a
9.	Haemoglobin (1/2) O <sub>2</sub> transport (1/2)	1
10.	Day time O₂ given out CO₂ taken in (1/2)	1
	Night CO₂ given out O₂ taken in (1/2)	
11.	a) Prevent entry of food into trachea (1)	2
	b) Exchange of respiratory gases (1) down.	
12.	Diaphragm bent normal, chest and rib case, chest volume	2
	decrease ,pressure increase ,oxygen goes out (any four points)	*