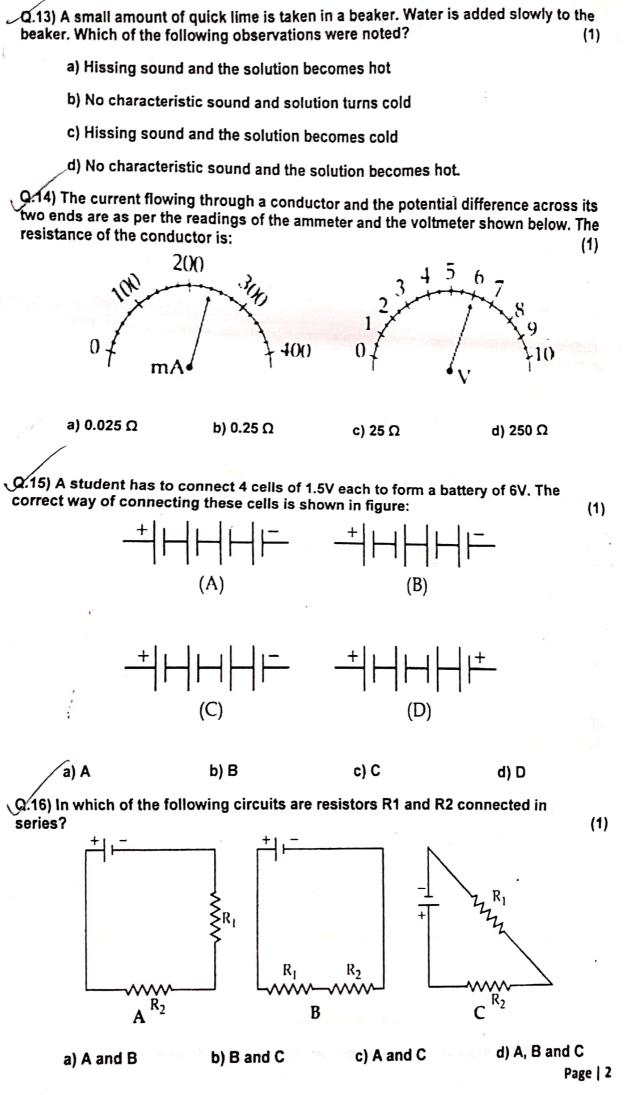
Γ	SC / 19-20 / I	Sri Sri Ravish	SPM's ankar Vidya Mandir	Maximum Marks: Time: 3 Hours	80			
	Science Std.: X	Periodic A	Assessment – 2	Date: 14,09,2019				
	eneral Instructions	: a) All questions ar	e compulsory.					
<u> </u>	eneral instructions	b) Draw a neat and	well labelled diag aper contains four	ram, wherever necess printed pages.	ary.			
9.) Give two characte	eristics of magnetic	field lines.		(1)			
Q.2) Mention the main purpose of using a concave mirror in solar cookers.								
Q.3	The formula of an	nmonium phosphate	e is:					
	/		iii) (NH₄)₃PO₄	iv) (NH ₄) ₃ (PO ₄) ₂	(1)			
Q.4Y	Name the mirror th	hat can give an erec	ct and enlarged im	age of an object.	(1)			
	No matter how far or is:	you stand from a n	nirror, your image	appears erect. The	(1)			
	i) plane	ii) concave i	ii) convex iv) pl	ane and convex				
Q.6)	Give any two exar	nples of amphoteric	coxides.		(1)			
Q.7	What is the colou	r of phenolphthaleir	in NaOH?		(1)			
Q.8) In Rhizopus, which grows on bread tubular thread like structures bearing sporangia are called?								
1	a) Filament	b) Rhizoids	c) Hyphae	d) Roots				
Q.9) The main function	n ombscissic Acid i	s		(1)			
,	a) increases ler	igth of cells	b) promotes cell division					
	c) inhibits grow	'th∉	d) promotes	growth of stem				
Q.1	0) Urea is removed	from the blood thro	ugh	 ·	(1)			
	a) lungs	b) kidneys	c) heart	d) liver				
Q.1 \Afti	1) To a solution of or a few minutes it i	copper sulphate in a s observed that:	a beaker, some iror	n filings are dropped.	(1)			
	a) a white precipitate is formed.							
	b) the color of the solution becomes darker.							
	c) a reddish brow	c) a reddish brown coating starts appearing on the iron filings.						
/	d) the solution becomes colourless.							
Q/12) The correct method of finding pH of solution is to:							
J	a) heat the solution in the test tube and expose the pH paper to the vapours formed							
	b) pour solution	b) pour solution from the test tube on pH paper						
	c) drop the pH p							
	d) add a drop of	pper						



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0.17) I	n Ohm's law experi nt while doing expe	ment, the phys riment is / are	sical quantity/quanti :	ties which is/are to	o kept (1)
	a) potential difference c) temperature		b) current		
,			d) potential difference, current, temperature		
	n the experiment to lowing is not require		ht is necessary for p	ohotosynthesis, w	thich of (1)
	a) Alcohol	ь) КОН	c) lodine	d) Water	
Q,19) V	Which of the followi	ng endocrine	gland is unpaired?		(1)
	a) Adrenal	b) Testes	c) Pituitary	d) ovary	(1)
Q.20) E	Binary fission in Am	oeba when ob	served we can con	clude that:	(1)
\vee	a) Cytoplasm and r				
	b) The nucleus firs			14.75	
	c) The cytoplasm f				
	d) The nucleus and				
√magn unifo) Define a solenoid. etic field lines arour m.	With the help and a current ca	of a suitable diagra arrying solenoid. Sta		(3)
Q.22) chem	Explain the following	ng chemical pr	operties of acids wi	th the help of bala	inced (3)
	a) when an acid re	acts with a ba	se.		
,	b) when an acid re	eacts with a me	etal bicarbonate.		
	c) when an acid re			segara -	
Q.23)	a) Show the forma	ition of NaCl fr electrons.	om sodium (At No.	11) and chlorine (At No. 17) (3)
11	Why does sodi	um chloride ha	ive a high melting p	oint?	
\ /	What will be the ch	aracteristics o	of the image in a cor	cave mirror, if an	object is (3)
√kept:	a) Between P and	F	(b)	At C	
	Show it with the h	elp of a ray dia	agram.		
9.25)	Find the equivalent	resistance of	the following circu	it.	(3)
V			6Ω	1	
	• ,	ou was	10Ω	garan Maria	
			150	70 () () () () () () () () () (
			15Ω		
		1		91 - 101 - 134 - 156	
		L + F		Control of the Contro	
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					. 200 1 2

a convex mirror of	. J					
Q.26) An object 5 cm high is placed at a distance of 10 cm from a convex mirror of radius of curvature 30 cm. Find the nature, position and size of the image.	(3)					
Q.27) State the differences between: Asexual Reproduction & Sexual Reproduct considering following parameters:						
a) Cells Involved b) Genetic Variations (c) Number of parents invol	ved					
Q.28) Draw neat labelled diagram of longitudinal section of flower.	(3)					
Q.29) State the three types of Neurons with their functions	(3)					
Q.30) Define Tropism and explain any 2 types.						
Q.31) a) Differentiate between roasting and calcination.	(5)					
b) How is zinc extracted from its carbonate ore?						
C) Name a metal that can be used to reduce metal oxides to metals.						
Q.32) a) Write the name and chemical formula of the calcium compound used fo disinfecting water. How is this compound manufactured? Write chemical equation the reaction involved.	r n for (5)					
b) Give any two uses of this calcium compound .						
Q.33) The values of current (I) flowing in a given resistor for the corresponding values of potential difference (V) across the resistor are given below:	(5)					
I (Ampere) 0.5 1.0 2.0 3.0	1.					
V (Volts) 1.5 3.0 6.0 9.0						
a) Plot a graph between V and I						
b) Calculate the resistance of the resistor from the graph						
c) What does the graph represent? Name and state the law.						
Q.34) Label the parts of Female reproductive						
System and answer the following:	. (5)					
a) Production and release of egg						
b) Site of fertilization						
c) Site of Implantation						
d) Name two female hormones						
Q.35 a) State what do you mean by STD's with two examples.	(5)					
	, , ,					
b) Explain the barrier method of contraception.						
Q.36.Differentiate between strong and weak acids. Identify the strong a	nd weak					
acids from the following list of acids - Hydrochloric acid, acetic acid, formic acid, lactic acid.						