	HALF YEARLY PAPER 2017-18 SET A	)
CLAS	SS -X SUBJECT: SCIENCE MAX MARKS :80 TIME: 3HR	
	tions: The question paper comprises of two sections, A and B. you are to attempt both the sections.	
	Destions are compulsory	
	uestions of section A and all questions of section B are to be attempted separately.	
		one
	stion number 1 to 2 in section A are one mark questions. These are to be answered in one word or	one
senten		
	stion number 3 to 5 are two marks questions to be answered in about 30 words.	
	stion number 6 to 15 are three marks questions ,to be answered in about 50 words.	
	estion number 16 to 21 are five marks questions to be answered in about 70 words.	
VII)Que	stion number 22 to 27 in section B are based on practical skills.	
1	SECTION A.	
Q1p	What is short circuiting?	1
Q2 b	Where does the breakdown of the food material takes place in fungi, like bread mould, yeast and .	1
1	mushrooms?	
63bc	Complete, balance and identify the type of reaction: Cr2O3 + Al>	2
Q4b	"Variation is beneficial to the species but not necessary for the individual." Justify the statement	2
Ø5c	Identify the process used to concentrate carbonate ores. Give an equation to illustrate it	2
Q6 b	You were standing on the roadside, when you saw a family travelling in the car. An ambulance	3
	carrying a patient for dialysis was travelling behind the car. The driver of the car brought his car to	
	one side of the road and allowed the ambulance to overtake.	
	a) What was the value shown by the driver?	
	b) What is dialysis?	
	c) What are the vehicles that we should give pass while driving?	
Q7p .	Write any two properties of magnetic field lines. Name and state the rule used to determine the	3
	direction of magnetic field lines around a current carrying straight conductor.	
Q8p .	Write an expression for joule's law of heat. Explain one practical application of this law. What	3
11.1	would happen to heat produced if the current passing through an electric heater is halved?	No.
Q9c	Write a chemical equation in which each of the following reactions has taken place:	3
	a) change in colour v) change in temperature c) formation of precipitate.	
Q10b	Name the process by which <i>Plasmodium</i> and <i>Leishmania</i> reproduce? Write one difference in	3
(	their mode of reproduction.	-
Q11b	a. Name the plant hormone responsible for the following: i. Promotion of cell division ii. Falling of	3
	leaves	
	B. How do auxin promote the growth of shoot towards light?	
	S. How do day in promote the growth of shoot towards light :	
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	OR	
	With the help of a schematic diagram trace the events which occur when you suddenly touch a	
	hot pan. What is the path followed by reflex action known as?	
	not pail. What is the path followed by fellex action known as:	
Q12p	What is an electromagnet? Draw the magnetic field lines around an electromagnet. How can one	3
W12P		J
Q13c	i) Which metal oxide can be reduced by carbon monoxide among the metals:Ca, Fe,Mg,K?	3
QTOC	i) What is rust chemically?	3
	i) What is meant by galvanisation?	
	OR	
	i) Differentiate between mineral and ore.	
	ii) Explain the method used to purify impure Cu, with diagram.	
Q14c		2
W140	A calcium compound on strong heating forms white solid Y and gas Z. X also reacts with	3
	× ×	
	dilute acid white will to form ud.	21
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	muld din	alves
	thems line water muy, and	-
	turns line water miley, Yvotage solid diss	R,
	/120 20 /000	1