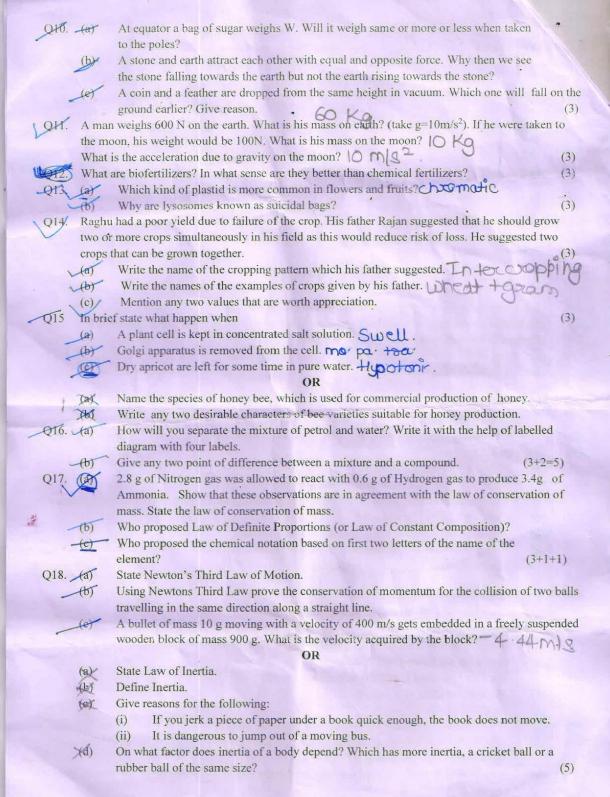
HALF-YEARLY EXAMINATION

SUBJECT; SCIENCE			
Name	: Tai	Roll Number :	
		Max. Marks : 80	
	: IX	T:	
Date	: 15/09	/2017	
			*
General Instructions:			
1. 2.		estions are compulsory. Read the questions carefully. is no overall choice.	
		SECTION-A	
-01.	Does	evaporation cause a physical change or a chemical change ?	(1)
Q2.	In a hi	gh jump athletic event, athletes are made to fall on a cushioned bed. Give reason.	(1)
03.	Distin	guish between speed and velocity.(any two)	(2)
04.	(a)	Represent the velocity time graph for a car moving with:	
0	(i)	Uniform velocity of 60km/h	
	(ii)	Non Uniformly Accelerated motion.	
	(b)	What can you say about the motion of an object if the distance time graph is a strai	ght line
		sloping upwards?	(2)
Q5.		any two differences between layers and broilers.	(2)
Q6.	Give 1	reasons for the following:	(3)
	(a)	A liquid generally flows easily.	
	(b)	Ice at 0°C appears colder to the mouth than water at 0°C.	maratura
	(c)	Doctors advise to put strips of wet cloth on the forehead of a person having high ter	nperature.
Q7.	Tex	Define melting point of a solid.	
	XXX.	At what temperature in the Kelvin scale does ice melt?	ot 203 K
	X	To make a saturated solution 36 g of sodium chloride is dissolved in 100 g of water	at 273 IX.
		Find its concentration at this temperature.	
OR			
	-(a)	What is matter?	
	_(b)	Write one property of solids and one property of liquids. Ramesh took two beakers A and B containing hot water and cold water respectively	v In each
	_(c)	beaker he dropped a crystal of copper sulphate. He kept the beakers undisturbed. A	fter some
		beaker he dropped a crystal of copper sulphate. He kept the beakers than state of the selection of the selec	(3)
-	1	time what did he observe? Why?	
-Q8.	(a)	State the Universal Law Of Gravitation. What is the cause of ocean tides?	
	(b)		(3)
00	(c)	How is G different from g? Which requires a greater force – accelerating a 3kg mass at 4ms ⁻² or a 3 kg mass at	
09.	(a)	A bird hits the windscreen of a fast moving car and falls on the bonnet. Which of the	he two car
	(b).	or bird suffers greater change in momentum?	
	- 1	or one suriers greater enange in momentum:	

Road accidents at high speeds are very much worse than road accidents at low speeds. Give

(3) Page **1** of **3**



Derive s=ut $+\frac{1}{2}$ at² and v²-u²=2as using graphical method where the symbols have their usual A car is travelling at 20m/s along a road. A child runs out into the road 50m ahead and the car driver steps on the brake pedal. What must the car's deceleration be if the car is to stop just before it reaches the child? -4 m/g 2 Name and draw a cell which does not have a well defined nuclear region. label any three parts. P_____. Mention two ways by which a photosynthesising cell belonging to this group differs from a cell of your body. Ew Pro-(5) Name a connective tissue which is hardest. What makes it so hard? List any three important functions of this tissue. functions of this tissue. (5) SECTION-B(PRACTICAL BASED QUESTIONS) Identify the tissue. (2) Labels the parts marked 1,2 and 3 Q23. Iron filings and sulphur were mixed together and divided into two parts, 'A' and 'B'. Part 'A' was heated strongly while Part 'B' was not heated. Dilute hydrochloric acid was added to both the parts and evolution of gas was seen in both the cases. (a) Name the gas evolved. + How will you identify the gases evolved? pop Sound, (b) Q24. (a) Name the stain which is commonly used to study plant cells. Why is coverslip put on the mounted material on a slide very gently? In the experiment to determine the melting point of ice, why does the temperature not rise till all the ice melts even though heat is continuously supplied? What is this heat energy called? Lotent Q26. Turgidity represents a condition in the cell when it is fully stretched. Why does a plant cell not burst after attaining turgidity. Cell wall. While determining the boiling point of water pumice stone pieces is added to the flask. Give reason for your answer. Sploter What is the colour of ammonium chloride in sublimation process? (2)