FIRST TERM EXAMINATION – 2017-18 SCIENCE / Class – IX

LPS

Time:	3 hrs Ji no hango vetemes and along the arms	MM 80
Q1	A scooter acquires a velocity of 20m/s in 10s just after the start. Calculate the acceleration of the scooter.	(68)
92	In which of the following, the particles have the highest forces of attraction? Water, NaCl (solid) ice and wax.	1
Q3	It is a hot summer day, Priyanshi and Ali are wearing cotton and nylon clothes respectively. Who do you think would be more comfortable and why?	2
QA	What is the use of odometer and speedometer in a vehicle?	2
95	Write two main features of kingdom 'protista'.	2
Q8	Give any two differences between angiosperms and gymnosperms. Give one example of each.	3
0/1/	Draw a plant cell and label plasma membrane, vacuole and nucleus.	3
08/	Write three differences between plants and animals.	3
Q9/	Name the following: Animals with jointed legs falso Amphibians of plant kingdom b) Spiny skinned organisms	3
010/	What are the differences between mass of an object and its weight?	3
011	Why is it advised to tie your luggage kept on the roof of a bus with a rope?	
	OR	3.
1	Ove three examples of Newton's 2 nd law of motion.	
012	Neha swims in a 100m long pool. She covers 200m in one minute and forty seconds by swimming from one end to the other and back along the same straight path. Find (a) the average speed (b) the average velocity of Neha.	3
Q13	a) Name the process of each interconversion.	1½x2=3
	SOLÎD A LIQUID C GAS	
	A- B- C- D- E- F-	
	b) 'A small volume of water in a kettle can fill a kitchen with steam.' Explain.	
	OR State of the st	
	a) Do as directed	1½x2=3
	(i) Convert –273°C to K (ii) Covert 373K to °C (iii) Convert 25°C to K b) Distinguish between solids, gases and liquids on the basis of (i) compressibility, (ii) diffusion	
014	Anil had a jar of kerosene oil which was kept for running the generator. He	3
	also had a jar of water kept at the same place. Both were half filled. Anil-	
	thought of putting all the kerosene oil in one jar. Then he realised his mistake	
	that he had mixed water into oil. He narrated this problem to his friend Sunil.	
	Sunil said, "There is nothing to worry. I shall solve your problem."	
	What remedy do you think Sunil provided to Anil?	
	What is the principle of the technique suggested by Sunil?	
915	o) What values are displayed by Sunil? How will you separate the components of a mixture containing ammonium chloride, sand and iron fillings?	3
	-1-	



with a salt solution, it was found that light simply passed through it.

by Why the same result was not obtained with a salt solution?

at Name the phenomenon involved.