

INDIAN SCHOOL MUSCAT

NAME OF THE EXAMINATION	FIRST PERIODIC TEST	CLASS: IX
DATE OF EXAMINATION	30 -06-2022	SUBJECT: Science
TYPE- Set-C	MARKING SCHEME	

SET	Q.NO	VALUE POINTS	MARK
	1	When final and initial positions coincide Ex- 1. In circular path - distance covered= $2\pi r$ but displacement = 0 2. If a body thrown vertically upwards and return to the same Point- distance covered= $2h$ but displacement = 0	1
	2	$20 \times 18/5 = 72 \text{ km/h}$	1
	3	Rate of change of velocity, SI unit- m/s^2	$\frac{1}{2} + \frac{1}{2}$
	4	Speed: a. Distance travelled by body per unit time. b. It is a scalar quantity. c. Can have only positive value. Velocity: a. Displacement of body per unit time. b. It is a vector quantity. c. Can be zero, negative or positive depending on the values of displacement. NOTE- ANY TWO DIFFERENCES	1 +1
	5	$u = 0$ $v = 36 \text{ km/h} = 10 \text{ m/s}$ $t = 3 \text{ seconds}$ $a = (v-u)/t$ $= (10-0)/3 = 10/3 = 3.33 \text{ m/s}^2$	$\frac{1}{2}$ $\frac{1}{2}$ 1
	6	C	1
	7	TRUE	1
	8	1 nm	1
	9	(i) Mass by mass percentage = mass of solute/mass of solution $\times 100$	2

		$40/400 \times 100 = 10 \text{ percentage}$ (ii) When no more solute can be dissolved in solution at a given temperature	
	10	Each difference carries 1 mark	2
	11	Definition.	1
	12	Definition.	1
	13	Give reason.	2
	14	Two points.	1 +1