

INDIAN SCHOOL MUSCAT

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

SET	Q.NO	VALUE POINTS	MARK
	1	$36 \text{ km/h} = 36 \times 5/18 = 10 \text{ m/s}$	1
	2	The motion of a freely falling body is an example of non-uniform motion. If we drop a ball from the roof of a tall building, we find that it covers unequal distances in equal intervals of time.	$\frac{1}{2} + \frac{1}{2}$
	3	Speed has magnitude only, it has no specified direction, therefore speed is a scalar quantity	$\frac{1}{2} + \frac{1}{2}$
	4	$u = 0$ $v = 72 \text{ km/h} = 20 \text{ m/s}$ $t = 1 \text{ min} = 60 \text{ seconds}$ $a = (v-u)/t$ $= (20-0)/60 = 1/3 = 0.33 \text{ m/s}^2$	$\frac{1}{2}$ $\frac{1}{2}$ 1
	5	Any two differences between displacement and distance.	1 +1
	6	B	1
	7	TRUE	1
	8	SATURATED SOLUTION	1
	9	(I) VOLUME BY VOLUME PERCENTAGE VOLUME OF SOLUTE/VOLUME SOLUTION X100 (1/2) $50/1000 \times 100 = 5 \text{ PERCENTAGE}$ (1/2) (II) SOLUTE IS MORE AND SOLVENT IS LESS (1)	2
	10	Each difference carries one mark	2
	11	Differentiate.	1
	12	The cell will die.	1

	13	Function (one)	2
	14	Definition. What will happen to cell.	1 +1