

CLASS: IX	INDIAN SCHOOL MUSCAT FIRST PERIODIC TEST	SUBJECT: PHYSICS
	SET - B	
Q.NO.	VALUE POINTS	SPLIT UP OF MARKS
1.	Distance covered	1
2.	Two differences	1+1
3.	(i) Definition (ii) $a = \frac{v-u}{t} = \frac{10}{5} = 2 \text{ m/s}^2$	1 $\frac{1}{2} + \frac{1}{2}$
4.	(i) Definition (ii) Distance travelled = $2\pi r = 628 \text{ m}$ Displacement = 0	1 $\frac{1}{2}$ $\frac{1}{2}$
5.	The temperature at which a solid changes to liquid at atmospheric pressure is called its melting point.	
6.	i) Particles of matter are extremely small in size. ii) Particles of matter have spaces between them. iii) Particles of matter are in continuous motion. iv) Particles of matter attract each other.	
7.	a) Forces of attraction between particles in liquid are less & they are in a position to slide over one another. But the forces are sufficient to hold them together such that spaces between them are fixed. b) As they have large inter particle spaces & negligible forces of attraction, the particles move very quickly and occupy all available spaces.	
8.	a) The process of direct conversion of solid to gas without passing through liquid state or vice versa is called sublimation. b) The heat given at the time of melting is used up in changing the physical state from solid to liquid. This is called latent heat.	
9.	Genes.	
10.	Membranous vesicles.	
11.	a) Endocytosis. <u>Flexible</u> nature of the cell membrane. b) Any relevant difference.	
12.	a) It swells/ It will gain water due to osmosis/ endosmosis. b) It swells and bursts, due to endosmosis/ as it lacks cell wall.	