

CLASS:IX	INDIAN SCHOOL MUSCAT FIRST PERIODIC TEST		SUBJECT: SCIENCE
	SET - C		
QP.NO.	VALUE POINTS		SPLIT UP MARKS
PHYSICS			
1.	Yes. Any one example.		½ m + ½ m
2.	SPEED	VELOCITY	1 m 1 m
	1. Scalar	1. Vector	
	2. Distance in unit time	2 Distance in unit time in a specific direction.	
3.	a. Average speed – definition.		1 m
	b. Average speed = Total distance / Total time = (200m + 150m) / (30 s + 20 s) = 350 m / 50 s = 7 m/s		½ m ½ m
4.	u = 40 m/s. v = 100 m/s. a =?		½ m
	a = (v-u) / t		½ m
	a = (100 – 40)/ 20		½ m
	= 60 /20 = 3 m/s ²		½ m
CHEMISTRY			
5.	Particles of matter have spaces between them.		
6.	a) Any two properties of gases. b) Increase in temperature, increases the rate of diffusion / Rate of diffusion of hot gases released by the hot food much faster than the rate of diffusion of cold gases released by the cold food.		
7.	a) Latent heat b) Boiling point c) Increasing pressure and decreasing temperature d) solid carbon dioxide		
8.	a) Solids < Liquids < Gases (Rate of diffusion) Gases < Liquids < Solids (Force of attraction) b) (i) Both, Liquid and Gas . (ii) Liquid		
BIOLOGY			
9.	Osmosis		
10.	Flexibility of the cell membrane enables the cell to engulf food		
11.	Plant cell exposed to hypotonic solution take up water . Cell swell s build up pressure against the cell wall Cell wall exerts equal pressure Gens		
12.	Prokaryotic cell (any two points) Eukaryotic cell (any two points)		