

St. Xavier's Sr. Sec. School Delhi-54

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	Class 9 12-5-2		Formative Assessment I in SCIENCE	Time: 1 hr. M. Marks: 20
	PHYS	ICS (M	l. Marks : 07; Time : 20 mts.)	
	1.	Give a	n example to justify; rest and motion are relative terms.	(1)
	2.	Define	acceleration. When will you say acceleration is negative?	(1)
	3.		peed of a car decreases from 80km/hr to 50km/hr in 2 minutes. Calcuration of the car.	late the (1½)
	4.		ate average speed and average velocity of a boy if he walks from his beed of 20km/hr and returns back to home at 30km/hr.	house to school (1½)
	5.	Justify displac	nysical quantity is -10m, is it distance or displacement? Your answer. Calculate distance and magnitude of cement from A to B along a circular path of radius 7m following diagram.	(2) B
	СНЕМ	ISTRY	(M. Marks : 07; Time : 20 mts.)	
	1.	Write	an activity to show that particles of matter have spaces between then	n.
	(1)			
	2.	a)	Convert 200 Kelvin temp. to Celsius scale. (½)	
		b)	Suggest a method to liquefy atmospheric gases. (1/2)	
	3.	a) b)	Define the term Latent heat of fusion. (½) Why does the temperature remain constant during the change of sta	ate. (½)
		4	Name the process:	
		a) b)	Conversion of solid state to gaseous state without changing in liquid Intermixing of particles on their own.	state. (½) (½)
	5.	Give re a) b) c)	easons: Steam causes severe burns than boiling water. We get the smell of perfume sitting several metres away. Liquids take the shape of container to which it is kept.	(1x3=3)



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BIOLOGY (M. Marks: 06; Time: 20 mts.)

1.	Fill in the blanks:		
	a) b)	Cell wall was discovered by is the example of unicellular organism.	
2.	Define	Endocytosis.	(1)
3.	a) b)	Why is Plasma membrane called as selectively permeable membrane? Plasma membrane is made up of and	(1+1=2)
4.	a) b)	What would happen to a cell if it is placed in hypertonic solution? Write any two differences between diffusion and osmosis.	(1+1=2)
		-X-X-X-X-X-X-	