ADMNO	
NDARY SCHOOL	
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ce (7marks)	
nass and weight (5marks)	
nuss and weight (simming)	
s 45N, if the gravitational field strens)	gth equal to 9 N/kg. Calculate the
	and state its S.I units (2marks) ce (7marks) mass and weight (5marks) s 45%, if the gravitational field stren

efine pre	ssure and state its S.I units (2marks)
car of n	nass 200kg has 4 wheels whose average area is 1.25m2. Calculate the maximum xerts on the ground (4marks)
A form	2 is girl swimming 10M below the surface of water whose density is 1.030g/cm3.
	ure acting on her due to water above (3marks)
	4
ii) Forc	e acting on her due to water her average area is 0.8M2 (3marks)

t of mercury is 13600kg/m3 (3marks)	
	,
The state of the s	
Name two common types of thermometric liquids (2marks)	
List four properties of a thermometric liquid (4marks)	
) List four properties of a merimental stage (
Sore to Explain the purpose of a constriction on the capillary above	of a clinical thermometer
	of a clinical thermometer
2marks)	
2marks)	
2marks)	
2marks)	

) Explain why salty water conduct better than pure water (2marks)
) Define the term diffusion (1mark)
) What are the factors which affect the rate of diffusion? (2marks)
In a smoke cell experiments, bright specks are observed moving in a constant random otion. Explain what these bright specks represent and why the behave like so (3 marks)
Define the term light (1mark)

17) State laws of reflection (2marks)
18) List four use i light (4marks)
19) a).calculate the angle of reflection when the ray of light strikes the mirror as show (2mark
1
(20)
b) When the mirror is rotated through 10 clockwise directions. Calculate the new angle of reflection (2marks)
c) Use a suitable method to locate the image of the object shown below
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-	a) what is electrostatistics (1 mark)
	b) When is a body said to be positively charged (2marks)
	Labor Eveloin (2marks)
_	c) When shoes are polished, they soon become dusty. Explain (2marks)
_	d) i) state four uses of gold leaf electroscope (4marks)
_	
_	ii) How can you charge a gold leaf positively by induction method (4marks)
-	iii) Petroleum tankers have a loose chain under their chassis. Explain the purpose of the chain (2marks)

iv) State three uses of electrostatics (3marks) (a) Define electricity (1mark)	
)a) Define electricity (1mark)	
1)a) Define electricity (1mark)	
b) using a diagram differentiate between closes and an open circuit (2marks)	
c) Explain the use of a cell in an electric circuit (2marks)	
d) Differentiate between electromotive force and potential difference (2marks)	
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e) Calculate the amount of current flowing a bulb when a charge of 240 coulombs passes through bulb in 2 minutes (3marks) os are connected in parallel in domestic wiring system (2marks) f) Explain wh g) What is the difference in current in the circuit below (2marks) h) With suitable examples, differentiate between conducted and insulators (2marks)