Science PT-1 (Subjective)

1) object in a particular direction

Rearen R: SI unit of velocity is rame as

- true and rearren R is correct explantes
 of Arrention A
 - 2) Arrestion A: A boy riching on a bicycle in a crowded street exhibit non-virgon motion

Rearen A: The boy covers equal distance in equal interval of time.

brung sorrertion (A) is true but (R) is jake

3) somer) Displacment from O to P=360m

Time taken green O to P = 18 recs

Velocity of the car - Displacment Time

= <u>360m</u>

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Average relacity of car from O to P =

Time Taken from P to Q = 6 secs

Total time taken to move from O to P and back to Q

Time = 16+6 = 24

Displacment gran P to Q = 240

= 10ms-1

De final rowwor = 10ms, 20ms!

4) sommer a) OA = socielaration

AB = Steady Speed

BC = Decreteration

> 0260-0- 600 15 15

60 - 4 m/s² renner 4 m/s²

$$= \frac{0-60}{30} = \frac{-60}{30}$$

- 5) sommer = Distance
- 6) initial velocity = 0

acceleration = 4 m/s2

V= U+at

= 0+4×10

Satellites revelue evacual their planets in an wirular motion with constant speed so cluring motion the speed is constant while the direction changes so the motion of rutletites around their planet is noccelerated meetion

SECTION B (chamirby)

- 1) b) Both Scruther (A) and (R) reman one true both but the reason (R) is not correct explanation of (6) arrention
- 2) C) revertion (A) is true but reason (R) is film
- 3) C) norrentian (A) is true but rewon Ris John
- 4) a) It is because mater napour present in the air coning is contact with the glass of mater, lares energy to liquid state.
 - b) It is because the kinetic energy of gas moderates is high and the rate of dynamics is high.
- 5 A- Furion
 - B- Varouzation
 - C- Condenation
 - D- Solidyuston
 - E Sublimation
 - F- Deposition

Section C (Buology)

- 1) a) The cell membrane the planner membrane known as a relectively premable membrane because it regulates the movement of rubetunes in and out of the cell. This means that the planner membrane of allows the entry of only seene rubitances.
 - 5) 1) Tea Bags
 - 2) Purjumes.
- 2) A Nulealus
 - B- Nuclear Pore
 - C- Nuclear membrane

D- Nucleantain

Planna menterare

3) Cytoplano

nuleoiet

cell wall

Riboranes

- 4) To keep havingul substance away from the
 - 2) It provides shape to the rell
 - 3) It allows rtuy inwards at and outward the cell