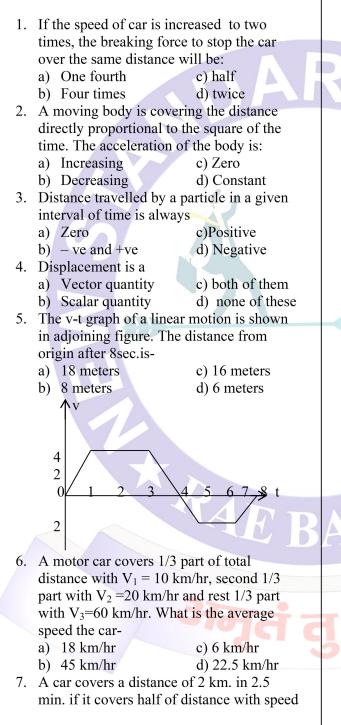
NEW STANDARD ACADEMY Marks: 80

Date : 06-05-24

CLASS: 9TH

Time: 90 min.

PHYSICS



40 km/hr the rest distane it will cover with speed-

- a) 56 km/hr c) 50 km/hr
- b) 60 km/hr d) 48km/hr
- 8. A cyclist moving on a circular track of radius 40 m completes half a revolution in 40 sec. Its average velocity is
 - a) Zero c) 2 m/sec.
 - b) 5 m/sec. d) 3.5 m/sec.
- 9. A bus accelerates uniformly from rest and acquires a speed of 36 km/hour in 10 seconds. The acceleration is
 - a) 1000 m/sec^2 c)1 m/sec²
 - b) 100 m/sec^2 d) 10 m/sec^2
- 10. Acceleration of a particle changes when :
 - a) Direction of velocity changes
 - b) Magnitude of velocity changes
 - c) Both of above
 - d) Speed changes

CHEMISTRY

- 1. The process of evaporation is employed to separate a substance from its mixture if:
 - a) Substance is soluble in water
 - b) Substance is soluble in water but does not decompose on heating
 - c) Substance is soluble in water but can decompose on heating
 - d) Substance is soluble in water but sublimes on heating
- 2. In the determination of the melting point of ice, the ice is contaminated with some non-volatile impurities like common salt. The melting point of ice will.
 - a) Increase c) decrease
 - b) Not change d) may increase or decrease
- 3. Ice at -10 °C is heated slowly until water formed start boiling. What kind of temperature- time graph will explain the correctly?

