NAME OF THE STUDENT:_____   **ROLL NO:_____**

_____

I) Answer the following questions   **4X1=4M**

   1.State Newton's third law of motion

   2. Write an equation of motion to find the distance travelled when initial velocity, time and acceleration are given

   3.What is Tyndall effect?

   4.Fill the following table

S.No	Physical quantity	Formula	S.I. unit
1	Momentum		Kg-m/s
2		v-u/t	m/s^2

II) Answer the following questions.   **2x2=4M**

   5.Two objects have masses 8kg and 25kg. Which one has more inertia

   6.Distiguish between Displacement and Distance

III) Answer the following questions.   **2x4=8M**

   7.Classify the following into Solution, Suspension and Colloidal dispersion

   a)*Ink   b)Soda water c)Brass d)Fog e)Blood f)Aerosol sprays g)Fruit salad h)Black coffee i)Oil and water*

   j)Boot polish k)Air l)Nail polish m)Starch solution n)Milk

   8.Draw the distance-time graph when its speed increases uniformly

IV) Choose the right answer from the given choices.   **8x1/2=4M**

   9.Based on the direction, find the odd one   (   )

   A) velocity   B)Displacement   C)Speed   D)Acceleration

   10.If F_{net}=0, then the velocity of an object is   (   )

   A) zero   B) constant   C)either zero or constant   D)increase

   11.Newton-sec is the S.I. unit for   (   )

   A) momentum   B)inertia   C)impulse   D)force

   12.Effect of act of non zero net force on an object is explained by   (   )

   A)Newton's 1st law of motion B) Newton's 2nd law of motion C) Newton's 3rd law of motion D) momentum

   13.Ice cream is a   (   )

   A)suspension B)colloid   C)emulsion   D)solution

   14.Immisible liquids can be separated by   (   )

   A)separating funnel B)centrifuge   C)fractional distillation   D)filtration

   15.

S.NO	Path of the light	Settle down of solute
X	visible	Yes
Y	Not visible	No

   X and Y are   (   )

   A)Suspension and Solution   B) Suspension and colloid C)Solution and Suspension D)Colloid and Suspension

   16.The tendency of a body to resist change of state is   (   )

   A) Force   B)Momentum   C)Inertia   D)Conservation