

MODEL PAPER TERM - I

CLASS: 9TH

SUBJECT: SCIENCE

TIME: 2 HRS

MAX. MARKS: 40

PHYSICS

Q1. Explain uniform and non-uniform motion with examples.

(5)

Or

A train starting from rest attains a velocity of 72 kmh^{-1} in 5 minutes. Assuming that the acceleration is uniform. Find

a) the acceleration

b) the distance travelled by the train for attaining this velocity

Q2. Define relative density? Find the density of silver in SI Unit. If the relative density of Silver is 10.8? (The density of water is 10^3 kgm^{-3})

(3)

Q3. Explain mathematical formulation of second law of motion

(2)

Q4: - Multiple Choice Questions:

(3)

a) Which has more inertia

(i) a rubber ball

(ii) a train

(iii) a five-rupee coin

(iv) cricket ball

(b) Force equal to

(i) mass $\times$ velocity

(ii) mass $\times$ acc.

(iii) acc. $\times$ velocity

(iv) mass $\times$ distance

(c) The SI Unit of relative density

(i) kgm^{-3}

(ii) gm^{-3}

(iv) kgm

(iv) $\text{g}^{-1} \text{ km}$

CHEMISTRY

Q5. List points of difference between the homogeneous and heterogeneous mixture. (5)

Or

Define Solution with examples? Write its properties.

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Arihant Experts



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