

MAR THOMA RESIDENTIAL SCHOOL, TIRUVALLA

Class VII

First Term Assessment – 2020-'21

Mark-20
Time- 30min.

Physics

I) **NAME THE SI UNIT OF THE FOLLOWING QUANTITIES AND ALSO WRITE THE RELATION BETWEEN THE SI UNIT AND CGS UNIT OF THOSE QUANTITIES**

1. Volume 2. area 3. density (3)

II) **DEFINE THE FOLLOWING**

1. Speed 2. Density 3. Translatory motion (3)

III) **DIFFERENTIATE THE FOLLOWING (ONE POINT)**

1. uniform and non uniform motion
2. mass and weight (2)

IV) **IDENTIFY THE TYPE OF MOTION**

1. An object spinning about an axis passing through itself.
2. Any motion that repeats after a fixed interval of time (2)

V) **ANSWER THE FOLLOWING**

1. Write the characteristics of oscillatory motion. (2)
2. Name the different types of translatory motion. (1)

VI) **SOLVE THE FOLLOWING**

1. A beaker weighs 140g when empty and 220.5g when filled with mercury.
Find the volume of the beaker if the density of mercury is 13.6g/cm^3 . (2)
2. A metal ball has density of 8000kg/m^3 . If its volume is 275cm^3 , find its mass. (3)
3. The mass of an object is 0.2 kg. If its volume is 23cm^3 , find its density. (2)
