

CLASS-IX(PHYSICS)

TEST-1

1. What is the least count of a vernier callipers? 1
2. IF the length of a simple pendulum is made one-fourth what will be its time period? 1
3. Explain the meaning of derived unit with the help of one example. 2
4. Name two factors on which the time period of simple pendulum does not depend. 2
5. Write any three difference between uniform velocity and variable velocity. 3
6. Write any three difference between distance and displacement. 3
7. When a screw gauge of least count 0.01mm is used to measure the diameter of wire the reading on the sleeve is found to be 1mm and the reading on the thimble is found to be 27 divisions.
i) what is the diameter of the wire in cm? ii) if the zero error is +0.005 cm, what is the correct diameter? 4
8. A toy car initially moving with uniform velocity of 18km/h comes to a stop in 2s. Find the retardation of the car in S.I. units. 4