ASSIGNMENT

PHYSICS(Class XI)

1. Wave picture of light failed to explain.

2. ML-1T -2 is the dimensional formula of?

3. The displacement in metres of a body varies with time t in second as $y = t2 - t - 2$. The displacement is zero for a positive of t equal to

4. A cyclist goes round a circular path of circumference 343 m in s. The angle made by him, with the vertical is

5. A spherical ball of mass 10-6 kg hits a wall 1000 times per second normally with a velocity of 1000 m/s and rebounds with same velocity along the initial direction. The force experienced by the wall is

6. A body of mass 20 kg is initially at a height of 3 m above the ground . It is lifted to a height of 2 m from that position. Its increase in potential energy is

7. A body of M.I. 3 kg m² rotating with an angular velocity 2 rad/s has the same K.E. as a mass of 12 kg moving with a velocity of?

8. A body weighs 500 N on the surface of the earth. How much would it weight half way below the surface of the earth?

9. Hookes law essentially defines

10. Absorptive power of perfectly black body is