

Worksheet: Oscillations

Tamil Nadu State Board · Class 11 · Physics · 5 questions · 11 marks

Name: _____

Date: _____

Score: _____ / 11

Q1. A pendulum clock runs slow. Should the pendulum be lengthened or shortened? *[2 marks]*

Q2. What is the difference between damped and forced oscillations? *[2 marks]*

Q3. A particle in SHM has amplitude 5 cm and period 2 s. Find the maximum velocity and acceleration. *[2 marks]*

Q4. At what displacement is the kinetic energy equal to the potential energy in SHM? *[3 marks]*

Q5. A spring of constant 100 N/m carries a 4 kg mass. Find the period. *[2 marks]*
