

*XI PHYSICS IMPORTANT SHORT ANSWER QUESTIONS -2022-2023*

*LESSON : 09,10*

*TIME: 1 HRS*

.....  
PREPARED BY

Dr.G.THIRUMOORTHY, M.Sc ,B.Ed , Ph.D

Assistant professor ,PHYSICS

Govt Arts College (Autonomous)

Salem -636 007

Call: 8610560810,,8883610465  
.....

1. What is the microscopic origin of pressure?
2. What is the microscopic origin of temperature?
3. Why moon has no atmosphere?
4. Write the expression for rms speed, average speed and most probable speed of a gas molecule.
5. What is the relation between the average kinetic energy and pressure?
6. Define the term degrees of freedom.
7. State the law of equipartition of energy.
8. Define mean free path and write down its expression.
9. Deduce Charles' law based on kinetic theory.
10. Deduce Boyle's law based on kinetic theory.
11. Deduce Avogadro's law based on kinetic theory.
12. List the factors affecting the mean free path.
13. What is the reason for Brownian motion?
14. What is meant by periodic and nonperiodic motion?. Give any two



examples, for each motion.

15. What is meant by force constant of a spring?
16. Define time period of simple harmonic motion.
17. Define frequency of simple harmonic motion.
18. What is an epoch?
19. Write short notes on two springs connected in series.
20. Write short notes on two springs connected in parallel.
21. Write down the time period of simple pendulum.
22. State the laws of simple pendulum?
23. Write down the equation of time period for linear harmonic oscillator.
24. What is meant by free oscillation?
25. Explain damped oscillation. Give an example.
26. Define forced oscillation. Give an example.
27. What is meant by maintained oscillation?. Give an example.
28. Explain resonance. Give an example.

---

PREPARED BY

Dr.G.THIRUMOORTHY, M.Sc ,B.Ed , Ph.D

Assistant professor ,PHYSICS

Govt Arts College (Autonomous),salem 636 007

---



Dr.G.THIRUMOORTHY

