

CHAPTER – 3 – THERMAL PHYSICS**I. Answer in brief (2 marks)**

1. Write about temperature.
2. What is Absolute scale of temperature?
3. Define thermal equilibrium.
4. Write about thermal energy.
5. What is heating?
6. What are the characteristic features of heat energy transfer?
7. Write about the other unit of heat energy.
8. What are the effects of heat energy?
9. What are Real gases & Ideal gases?

II. Answer in a paragraph (5 marks)

1. Write a note on the 3 types of expansion in solids.
2. Write about (i) Real expansion and (ii) Apparent expansion.
3. Write an experiment to measure real and apparent expansion of liquid.
4. Write the three fundamental laws of gases.
5. Derive the ideal gas equation.
6. Solved problems – Example 1
7. Solved problems – Example 2



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