

SLIP TEST-1(2)
CHAPTER-1 : HEAT

Name:..... Section:..... Roll No:..... Max.Marks:20

I. Answer the following questions. Each carries four marks. 2 x 4 = 8 M

- 1) How can you prove that the kinetic energy of molecules of a hotter body is greater than that of a colder body?
- 2) Evaporation and condensations are opposite processes. – Explain.

II. Answer the following questions briefly. Each carries two marks. 2 x 2 = 4 M

- 3) Convert 60°C into Kelvin scale.
- 4) We should not keep a bottle in the deep freezer, which is filled with water up to its brim. Why ?

III. Answer the following in one or two sentences. Each carries one marks. 2 x 1 = 2 M

- 5) What would be the final temperature of a mixture of 100 g of water at 20°C temperature and 100 g of water at 60°C temperature?
- 6) Water was taken in two glasses. The temperature of water in both glasses is 60°C. Reshma said that they are in thermal equilibrium. Do you agree with Reshma ?

IV. Choose the correct choice and write down in the given brackets. 6 x 1 = 6 M

- 7) Escaping of molecules from the surface of a liquid at constant temperature is []
 A. Melting B. Evaporation C. Boiling D. Condensation
- 8) If water freezes, the volume []
 A. Increases B. Decreases C. either A or B D. None of these
- 9) This is a form of energy []
 A. Temperature B. Heat C. Hot body D. Cold body
- 10) Specific heat (s) = ignitephysics.weebly.com []
 A. $\frac{Q}{\Delta T}$ B. $Q \cdot \Delta T$ C. $\frac{Q}{m \cdot \Delta T}$ D. $\frac{m \cdot \Delta T}{Q}$
- 11) When Alcohol vapour condenses to Alcohol , its temperature []
 A. Increase B. Decrease C. Can not say D. Remains constant
- 12) The degree of hotness is less for []
 A. Cool drink B. Luke warm water C. Hot water D. Boiling water