

SLIP TEST-1  
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) Your teacher made an experiment that shows the formation of dew and frost. Explain how you show the formation of dew and frost?
- 2) Define evaporation. Explain. What are the affecting factors of evaporation and how they effect on the rate of evaporation.

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

- 3) Lalitha wants to determine the specific heat of Aluminium shots. What apparatus or material is required to do this experiment ?
- 4) Which of the following substance take more time to raise its temperature for a certain degree Celsius. Give reason.

Substance	Specific heat	Substance	Specific heat
	In cal/gm-°C		In cal/gm-°C
Kerosene oil	0.50	Water	1
		Sea water	0.95

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

- 5) Why pigs toil in the mud during hot summer days?
- 6) If we provide heat to ice at 0°C, Why the temperature does not changes until the ice changes to water?

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

- 7) What would be the final temperature of a mixture of 60 g of water at 40°C temperature and 60 g of water at 80°C temperature? [   ]  
 A. 70°C                      B. 50°C                      C. 60°C                      D. 65°C
- 8) If there is a thermal equilibrium between two bodies, then [   ]  
 A. Two bodies have different temperatures.  
 B. Two bodies have same temperatures  
 C. The masses of two bodies are equal  
 D. The volume of two bodies are equal
- 9) How much energy is transferred when 1gm of boiling water at 100°C condenses to water a 100°C? [   ]  
 A. 540 Cal                      B. 80 Cal                      C. 60 Cal                      D. 720 Cal
- 10) Which process is different [   ]  
 A. formation of mist                      B. formation of fog  
 C. formation of rain                      D. formation of clouds
- 11) Latent heat of fusion of ice is ..... Cal/gm [   ]  
 A. 100                      B. 540                      C. 80                      D. 720
- 12) Absolute zero temperature(Infinite cold) is [   ]  
 A. -273°C                      B. 0°C                      C. 273 K                      D. 273°C

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