

GOVERNMENT HIGH SCHOOL :: SEETHANAGARAM, E.G.Dist.
ONLINE CLASSES 2021-2022

INTERACTIVE WORKSHEET-1

Subject : PHYSICAL SCIENCE

Topic: HEAT

Marks: 10

1. What is the S.I. unit of heat ?
A) joule B) calorie C) Kelvin D) Celcius
2. If the temperature of a steel rod is 330K, then its temperature in $^{\circ}\text{C}$ is
A) 55 B) 57 C) 59 D) 53
3. Three bodies A,B and C are in thermal equilibrium. If the temperature of B is 45°C , then the temperature of C is
A) 45°C B) 50°C C) 40°C D) Any temperature
4. Which towns recorded the same temperatures ?

Town	Temperature
X	40°C
Y	313K
Z	235K

- A) Z and Y B) X and Y C) all the above D) X and Z
5. Given the temperatures of A and B substances in thermal contact
A 30°C B 273K
Heat energy is transferred from
A) A to B B) B to A C) cannot say D) does not transfer
 6. Given the temperatures of A and B substances in thermal contact
A 27°C B 300K
Heat energy is transferred from
A) A to B B) B to A C) cannot say D) does not transfer
 7. Net heat lost by hot body = Net heat gained by cold body
This is the principle of -----
 8. One calorie = ----- joules.
A) 4186 B) 4.186 C) 41.86 D) 418.6
 9. Temperature of a body is directly proportional to
A) total kinetic energy B) average kinetic energy
C) potential energy D) vibrational energy
 10. Water at 80°C and coconut oil at 30°C are mixed. The temperature of mixture can be
A) 25°C B) 57°C C) 85°C D) none