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) joul B) calorie C) Kelvin D) Celcius
2. If the temperature of a steel rod is 330K, then its temperature in ^{0}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^{0}C, then the temperature of C is
   A) 45 ^{0}C B) 50 ^{0}C C) 40 ^{0}C D) Any temperature
4. Which towns recorded the same temperatures ?

Town	Temperature
X	40^{0}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^{0}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^{0}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^{0}C and coconut oil at 30^{0}C are mixed. The temperature of mixture can be
    A) 25^{0}C B) 57^{0}C C) 85^{0}C D) none

LIVEWORKSHEETS