

1) A human body feels comfortable when the heat produced by the metabolism of human body is equal to

- a) Heat dissipated to the surroundings
- b) Heat stored in the human body
- c) **Sum of heat dissipated to the surrounding and heat stored in the human body**

2) The human body maintains its thermal equilibrium with the environment by means of _____ modes of heat transfer.

- a) 1
- b) 2
- c) **3**
- d) 4

3) The rate at which the body produces heat is called as Metabolic rate

- a) **Agree**
- b) Disagree

4) Human body temperature exceeding _____ and falling below _____ is dangerous

- a) **40.5°C and 36.6°C**
- b) 39°C and 37°C
- c) 38.5°C and 36.7°C

5) When the temperature of the surrounding is higher than the temperature of the body, then the heat loss by convection from the body to the surrounding will be

- a) Positive
- b) **Negative**
- c) Zero

6) Which is not a major factor affecting human comfort

- a) Temperature of air
- b) Humidity of air
- c) **Level of wealth**
- d) Motion of air

7) When there is direct addition of heat to the enclosed space a gain in _____ is said to occur

- a) **Sensible heat**
- b) Latent heat

8) The sensible heat gain is due to the _____ difference between the fresh air and the air in space

- a) **Temperature**
- b) Humidity

9) When there is an addition of water vapour to the air of enclosed space, a gain in _____ is said to occur

- a) Sensible heat
- b) **Latent heat**

10) The total heat required to be removed from the space in order to bring it to the desired temperature by air conditioning and refrigeration

- a) Heating Load
- b) Cooling Load**

11) Match the column

a) Cinema Theatre	1) Window Air conditioning
b) Large restaurant	2) Central air conditioning
c) MQC lab	3) Package air conditioning

- a) (a)-(2), (b)-(1), (c)-(3)
- b) (a)-(2), (b)-(3), (c)-(1)**
- c) (a)-(1), (b)-(2), (c)-(3)

12) The heat taken away for evaporation of sweat particles is Latent heat of vaporization

- a) Agree**
- b) Disagree