

## Multiple Choice Questions

**1 Water freezes at**

- A. 0°F  
B. 32°F  
C. -273K  
D. 0K

**2 Normal human body temperature is**

- A. 15°C  
B. 37°C  
C. 37°F  
D. 98.6°C

**3 Mercury is used as thermometric material because it has**

- A. uniform thermal expansion  
B. low freezing point  
C. small heat capacity  
D. all the above properties

**4 Which of the following material has large specific heat?**

- A. copper  
B. Ice  
C. Water  
D. Mercury

**5 Which of the following material has large value of temperature coefficient of expansion?**

- A. Aluminum  
B. Gold  
C. Brass  
D. Steel

**6**

**What will be the value of  $\beta$  for a solid for which  $\alpha$  has a value of  $2 \times [10]^{-5} \text{ K}^{-1}$ ?**

- A.  $2 \times [10]^{-5} \text{ K}^{-1}$   
B.  $6 \times [10]^{-5} \text{ K}^{-1}$   
C.  $8 \times [10]^{-15} \text{ K}^{-1}$   
D.  $8 \times [10]^{-5} \text{ K}^{-1}$

**7 A large water reservoir keeps the temperature of nearby land due to**

- A. low temperature of water  
B. low specific heat of water  
C. less absorption of heat  
D. large specific heat of water

**8 Which of the following affects evaporation?**

- A. Temperature  
B. surface area of the liquid  
C. Wind  
D. all of the above

## Correct Answers

- |      |      |      |      |
|------|------|------|------|
| 1. B | 2. B | 3. D | 4. C |
| 5. A | 6. B | 7. D | 8. D |

