

## CHAPTER-10 | The Other Side of Zero

QUIZ  
PART-16

1. A temperature below  $0^{\circ}\text{C}$  is

- A. positive
- B. negative
- C. always 100
- D. not a number (B)

**Explanation:** Any temperature below  $0^{\circ}\text{C}$  is written as a negative number.

2.  $0^{\circ}\text{C}$  is called

- A. sea level
- B. room temperature
- C. zero degree temperature
- D. boiling point (C)

**Explanation:**  $0^{\circ}\text{C}$  is the point from which positive and negative temperatures are compared.

3. Which place is mentioned as very cold in winter?

- A. Mumbai
- B. Chennai
- C. Leh
- D. Jaipur (C)

**Explanation:** The page clearly says Leh in Ladakh gets very cold during the winter.

4. Which temperature is the highest?

- A.  $-4^{\circ}\text{C}$
- B.  $-2^{\circ}\text{C}$
- C.  $8^{\circ}\text{C}$
- D.  $14^{\circ}\text{C}$  (D)

**Explanation:** Among the given values,  $14^{\circ}\text{C}$  is the greatest temperature.

5. Which temperature is the lowest?

- A.  $14^{\circ}\text{C}$
- B.  $8^{\circ}\text{C}$
- C.  $-2^{\circ}\text{C}$
- D.  $-4^{\circ}\text{C}$  (D)

**Explanation:**  $-4^{\circ}\text{C}$  is the smallest and coldest temperature here.

6. Which temperature is below freezing?

- A.  $14^{\circ}\text{C}$
- B.  $8^{\circ}\text{C}$
- C.  $-2^{\circ}\text{C}$
- D. both C and D type values below zero (D)

**Explanation:** Both  $-2^{\circ}\text{C}$  and  $-4^{\circ}\text{C}$  are below  $0^{\circ}\text{C}$ , so they are below freezing.

7. The warmest time of day is most likely

- A. 02:00 a.m.
- B. 11:00 p.m.
- C. 11:00 a.m.
- D. 02:00 p.m. (D)

**Explanation:** Afternoon is usually warmer, so 02:00 p.m. best matches the highest temperature. This is a reasonable inference from the exercise.

8. The coldest time of day is most likely

- A. 02:00 a.m.
- B. 02:00 p.m.
- C. 11:00 a.m.
- D. 04:00 p.m. (A)

**Explanation:** Late night or early morning is usually the coldest, so 02:00 a.m. best matches the lowest temperature. This is a reasonable inference from the exercise.

9. Which pair is most reasonable for Leh in winter?

- A. 02:00 p.m.  $\rightarrow 14^{\circ}\text{C}$
- B. 02:00 a.m.  $\rightarrow 14^{\circ}\text{C}$
- C. 11:00 p.m.  $\rightarrow 8^{\circ}\text{C}$
- D. 02:00 a.m.  $\rightarrow 8^{\circ}\text{C}$  (A)

**Explanation:** The highest listed temperature,  $14^{\circ}\text{C}$ , is most likely in the afternoon. This follows the intended matching activity.

10. What is the likely mistake in Question 2?

- A. Leh is not in Ladakh
- B.  $0^{\circ}\text{C}$  is written wrongly
- C. Matching is asked, but the table already pairs time and temperature
- D. Celsius is not a temperature unit (C)

**Explanation:** The instruction says match, but the table layout already places temperatures beside times, which makes the question unclear.