

CHAPTER-1 | Locating Places on the Earth

QUIZ-01

1. What is the purpose of a map scale?

- A. To show time zones
- B. To represent real distances on paper
- C. To measure temperature
- D. To count population (B)

Explanation: A map scale helps convert distances on the map into real distances on the ground.

2. Which is the longest parallel of latitude?

- A. Tropic of Cancer
- B. Arctic Circle
- C. Equator
- D. Antarctic Circle (C)

Explanation: The Equator is the longest parallel of latitude as it circles the widest part of the Earth.

3. How many degrees of longitude make up one hour of time difference?

- A. 10°
- B. 12°
- C. 15°
- D. 20° (C)

Explanation: The Earth rotates 360° in 24 hours, so $360 \div 24 = 15^\circ$ per hour.

4. Which direction does the Earth rotate?

- A. West to east
- B. East to west
- C. North to south
- D. South to north (A)

Explanation: The Earth rotates from west to east, which causes the sun to appear to rise in the east.

5. What do latitude and longitude together form?

- A. Compass
- B. Climate zones
- C. Time zones
- D. Grid (D)

Explanation: Latitude and longitude lines together form a grid that helps locate any place on Earth.

6. What is the 0° longitude called?

- A. Equator
- B. Tropic of Capricorn
- C. Prime Meridian
- D. International Date Line (C)

Explanation: The Prime Meridian is the 0° line of longitude that divides Earth into Eastern and Western Hemispheres.

7. Which city was the ancient Indian Prime Meridian based on?

- A. Delhi
- B. Mumbai
- C. Ujjayinī
- D. Kurukshetra (C)

Explanation: The ancient Indian Prime Meridian passed through Ujjayinī (modern-day Ujjain).

8. What component of a map helps show real-world features like roads or rivers?

- A. Time zone
- B. Latitude
- C. Direction
- D. Symbol (D)

Explanation: Symbols on a map are used to represent features such as roads, rivers, and buildings.

9. Which line divides the Earth into the Northern and Southern Hemispheres?

- A. Prime Meridian
- B. Tropic of Cancer
- C. Arctic Circle
- D. Equator (D)

Explanation: The Equator is the 0° latitude line that divides the Earth horizontally into two hemispheres.

10. What happens when you cross the International Date Line from east to west?

- A. You gain a day
- B. You lose a day
- C. Time stops
- D. Latitude changes (A)

Explanation: When you cross the International Date Line from east to west, you add a day to your calendar.