

CHAPTER-12 | Earth, Moon and the Sun

QUIZ
PART-01

1. The Earth rotates from:

- A. East to West
- B. West to East
- C. North to South
- D. South to North (B)

Explanation : Earth rotates anti-clockwise from West to East.

2. The Earth completes one rotation in:

- A. 12 hours
- B. 24 hours
- C. 365 days
- D. 30 days (B)

Explanation : One rotation takes about 24 hours.

3. The imaginary line through North and South Pole is called:

- A. Orbit
- B. Axis
- C. Equator
- D. Hemisphere (B)

Explanation : Axis is the line about which Earth rotates.

4. Sunrise appears in the East because:

- A. Sun moves
- B. Earth rotates
- C. Moon moves
- D. Clouds move (B)

Explanation : Earth's rotation makes Sun appear to move.

5. Rotation is motion around:

- A. Another object
- B. Its own axis
- C. The Sun
- D. The Moon (B)

Explanation : Rotation means spinning on its axis.

6. The Earth rotates in:

- A. Clockwise direction
- B. Anti-clockwise direction
- C. Vertical direction
- D. Circular orbit (B)

Explanation : It rotates anti-clockwise.

7. The axis passes through:

- A. Equator only
- B. Tropics
- C. North and South Poles
- D. Prime meridian (C)

Explanation : Axis connects both poles.

8. The apparent motion of Sun is due to:

- A. Revolution
- B. Rotation
- C. Eclipse
- D. Tilt (B)

Explanation : Earth's rotation causes apparent motion.

9. Aryabhata calculated Earth's rotation as:

- A. 20 hrs
- B. 23h 56m approx
- C. 25 hrs
- D. 30 hrs (B)

Explanation : Value close to modern calculation.

10. Objects like fans rotate about:

- A. Orbit
- B. Axis
- C. Sun
- D. Earth (B)

Explanation : Rotation happens about axis.