

## CHAPTER-11 | Keeping Time with the Skies

QUIZ  
PART-04

1. Lunar eclipse occurs on:

- A. New Moon
- B. Full Moon
- C. Crescent
- D. Half (B)

*Explanation:* Earth's shadow falls on Moon.

2. Solar eclipse occurs on:

- A. Full Moon
- B. New Moon
- C. Crescent
- D. Gibbous (B)

*Explanation:* Moon blocks Sun.

3. Phases are not caused by:

- A. Sunlight
- B. Earth's shadow
- C. Moon revolution
- D. Position change (B)

*Explanation:* Shadow causes eclipse, not phases.

4. Solar day is about:

- A. 12 hours
- B. 24 hours
- C. 29 days
- D. 365 days (B)

*Explanation:* Mean solar day  $\approx$  24 hours.

5. Shortest shadow occurs at:

- A. Sunrise
- B. Sunset
- C. Noon
- D. Midnight (C)

*Explanation:* Sun highest at noon.

6. Lunar month  $\approx$

- A. 28 days
- B. 29.5 days
- C. 31 days
- D. 365 days (B)

*Explanation:* One lunar cycle  $\approx$  29.5 days.

7. Lunar year  $\approx$

- A. 354 days
- B. 365 days
- C. 360 days
- D. 375 days (A)

*Explanation:* 12 lunar months  $\approx$  354 days.

8. Seasons are due to:

- A. Moon revolution
- B. Earth revolution
- C. Earth rotation
- D. Eclipse (B)

*Explanation:* Earth's orbit causes seasons.

9. One year  $\approx$

- A. 300 days
- B. 354 days
- C. 365 days
- D. 400 days (C)

*Explanation:* Solar year  $\approx$   $365\frac{1}{4}$  days.

10. Lunar calendar problem:

- A. Too long
- B. Too short
- C. Perfect match
- D. No difference (B)

*Explanation:* Lunar year is  $\sim$  11 days shorter.