

## CHAPTER-12 | Earth, Moon and the Sun

QUIZ  
PART-06

1. Lunar eclipse occurs when:

- A. Moon blocks Sun
- B. Earth blocks sunlight to Moon
- C. Sun blocks Moon
- D. Mars blocks Moon (B)

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

2. Lunar eclipse happens during:

- A. New moon
- B. Full moon
- C. Quarter moon
- D. Eclipse day (B)

*Explanation:* Full Moon phase.

3. Total lunar eclipse occurs when:

- A. Part of Moon in shadow
- B. Entire Moon in shadow
- C. Sun hidden
- D. Earth hidden (B)

*Explanation:* Whole Moon enters shadow.

4. Partial lunar eclipse occurs when:

- A. Half Moon
- B. Part Moon in shadow
- C. Sun blocked
- D. No shadow (B)

*Explanation:* Only part in shadow.

5. Lunar eclipse is safe to watch:

- A. False
- B. True
- C. Only with glasses
- D. Only telescope (B)

*Explanation:* Moon light is safe.

6. Moon looks reddish because:

- A. Heat
- B. Atmosphere bends red light
- C. Dust
- D. Fire (B)

*Explanation:* Earth's atmosphere filters colors.

7. Lunar eclipse visible from:

- A. Small region
- B. Whole night side
- C. Only poles
- D. Only equator (B)

*Explanation:* Large shadow area.

8. Lunar eclipse does not happen every month because:

- A. Moon too small
- B. Orbit tilted
- C. Sun far
- D. Earth rotates (B)

*Explanation:* Moon's orbit tilted  $5.2^\circ$ .

9. Earth's shadow during lunar eclipse falls on:

- A. Sun
- B. Moon
- C. Mars
- D. Earth (B)

*Explanation:* Earth blocks sunlight.

10. Lunar eclipse geometry involves:

- A. Sun-Earth-Moon
- B. Earth-Moon-Sun
- C. Moon-Sun-Earth
- D. Mars-Sun-Moon (A)

*Explanation:* Earth between Sun and Moon.