

VAID ICS LUCKNOW

DAILY CURRENT AFFAIRS QUIZ

08/09/2025

ANSWER & EXPLANATION:

Qn 1:

Correct Answer: d. 1 and 2 only

Explanation:

Statement 1 – Correct

- A **Blood Moon** happens **only during a total lunar eclipse**.
- When Earth comes between the Sun and the Moon, direct sunlight is blocked, and the only light reaching the Moon is **filtered and refracted through Earth's atmosphere**.
- This refracted light gives the Moon its **reddish color**, making it appear as a "Blood Moon."

Statement 2 – Correct

- The red coloration is due to **Rayleigh scattering**, the same phenomenon responsible for **red sunsets and blue skies**.
- During a total lunar eclipse, **shorter blue wavelengths are scattered away**, while longer red wavelengths bend and reach the Moon's surface, creating the blood-red appearance.

Statement 3 – Incorrect

- A Blood Moon is **not limited to once per year**.
- There can be **up to three total lunar eclipses** in a year, depending on orbital alignments.
- Example: In **2018**, there were two Blood Moons — on **January 31** and **July 27**.

Qn 2:

Correct Answer: B. 1 and 3 only

Explanation:

- **Statement 1 – Correct**
 - A *lunar tetrad* is a rare astronomical event where **four consecutive total lunar eclipses** occur, spaced about **six months apart**, with **no partial eclipses in between**.
 - This phenomenon occurs because of the precise alignment of the Earth, Moon, and Sun during this period.
- **Statement 2 – Incorrect**
 - Lunar tetrads do **not occur at fixed regular intervals** like every 50 years.
 - Their occurrence is **irregular and cyclical**, influenced by the **Saros cycle** and other orbital factors.
 - For instance:
 - Between **1600–1900**, there were *no lunar tetrads*.
 - Between **2001–2100**, there will be *eight lunar tetrads*.
- **Statement 3 – Correct**
 - The frequency of lunar tetrads is determined by **gravitational interactions** and the orbital resonance between the Earth and Moon.
 - Some centuries may **lack lunar tetrads entirely**, while others experience **multiple tetrads**, making them highly **variable**.

Qn 3:c

Qn 4:

Correct Answer: B. 2 and 3 only

Explanation:

- **Statement 1 – Incorrect:**

- A *Medical Visa* is issued **only for medical treatment purposes** and its validity ranges from **60 days to 1 year, not up to five years**.
- Hence, the statement is wrong.
- **Statement 2 – Correct:**
 - An *Entry Visa (X-Visa)* is primarily issued to **dependents of foreign nationals**, such as spouses or children, allowing them to stay in India while the principal foreign national is on another visa.
 - Validity ranges from **6 months to 5 years**, depending on the case.
- **Statement 3 – Correct:**
 - Both *Business Visa* and *Employment Visa* have **identical validity ranges**:
 - Minimum: **1 year**
 - Maximum: **5 years**

Qn 5:

Correct Answer: B. 1 and 3 only

Explanation:

- **Statement 1 – Correct**
 - The 2025 Men's Hockey Asia Cup was indeed held **for the first time in India**, at **Bihar Sports University Hockey Stadium, Rajgir**.
 - It also served as a **direct qualifier** for the 2026 FIH Men's Hockey World Cup. The winner earned a direct berth, while teams ranked 2nd to 6th advanced to the World Cup qualifiers.
- **Statement 2 – Incorrect**
 - India won its **fourth title**, but **defeated South Korea**, *not Pakistan*, in the final with a **4–1 victory**.
 - Pakistan had dominated the early editions (1982, 1985, 1989) but was **not in the final this time**.
- **Statement 3 – Correct**
 - The **Asian Hockey Federation (AHF)**, founded in **1958** and headquartered in **Kuala Lumpur, Malaysia**, organizes the Men's Hockey Asia Cup since its start in **1982**.

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