



Daily MCQ: 29.08.2026

1) Consider the following statements about Barrier Lakes:

1. They form when mass movements block a river channel.
2. They are generally temporary due to the instability of the natural barrier.
3. Gohna Tal in Uttarakhand formed when a landslide blocked the Birahi Ganga.

Which of the above statements is/are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

2) Identify the river of the Indian sub-continent on the basis of the following information:

1. It is a transboundary river system originating in the Himalayas.
2. It is formed by the confluence of several major Himalayan tributaries, including Arun, Sun Koshi and Tamor.
3. It enters India through Bihar and joins the Ganga.
4. It carries a high sediment load, contributing to frequent channel shifting and flooding.

Select the correct answer:

- (a) Brahmaputra
- (b) Indus
- (c) Teesta
- (d) Koshi

3) Consider the following statements with reference to the PARIVARTAN Scheme:

- I. The PARIVARTAN Scheme seeks to reduce transport-related air pollution in the Delhi-NCR region through accelerated replacement of old commercial vehicles.
- II. The PARIVARTAN Scheme combines financial support with vehicle replacement to accelerate the transition towards cleaner commercial transport in Delhi-NCR.
- III. The scheme covers eligible trucks and buses registered in Delhi as well as specified NCR districts of Haryana, Rajasthan and Uttar Pradesh.

Which of the following relationships among the above statements is/are correct?

1. Statement II explains the approach through which the objective stated in Statement I is pursued.
2. Statement III specifies the geographical scope of the intervention described in Statement I.
3. Statement II contradicts Statement I by focusing on financial support rather than pollution reduction.

Select the answer using the code given below:

- (a) 1 only
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

4) Which of the following are indigenous Artificial Intelligence (AI) models developed in India?

1. Krutrim
2. Evon
3. Param



4. Qwen

Select the correct answer using the code given below:

- (a) 1, 2 and 3 only
- (b) 1 and 4 only
- (c) 2 and 3 only
- (d) 1, 2, 3, and 4

5) With reference to the FGM-148 Javelin Missile System, consider the following statements:

- 1. It is a man-portable, fire-and-forget Anti-Tank Guided Missile (ATGM) system.
- 2. It uses wire-guidance technology to alter its flight trajectory post-launch.
- 3. It incorporates both optical day sights and thermal imaging sights for target acquisition.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 1 and 3 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

Explanation

1) Answer: (D)

- A **barrier lake** or **landslide dam lake** forms when landslides, rock avalanches, debris flows or glacial collapse **block a river channel**.
- **Slope failure:** Earthquakes, cloudbursts, intense monsoons or glacial events trigger the movement of rock, soil, ice and debris.
- **Natural dam formation:** The debris falls into a narrow river valley and **blocks the watercourse**, creating an unstable natural dam.
- **Water impoundment:** River water gets trapped behind the debris, causing **upstream flooding and formation of a temporary lake**.
- **Gohna Tal, Uttarakhand** — formed when a landslide blocked the **Birahi Ganga**, a tributary of the Alaknanda River.
- **Therefore, option D is the correct answer.**

2) Answer: (D)

Koshi

- **Confluence:** Known as *Saptakoshi* in Nepal, the river system is formed by seven major upper Himalayan tributaries, most notably the **Arun, Sun Koshi**, and **Tamor**.
- **Course & Entry:** It flows south out of eastern Nepal, enters the Indian state of **Bihar** at the Supaul district, and eventually discharges into the **Ganga** near Kursela in Katihar district.
- **Sediment Load & Flooding:** Due to severe erosion in its steep mountain catchment, the Koshi carries an exceptionally high silt load. This deposition leads to frequent channel shifting and severe flooding, earning it the title "Sorrow of Bihar."
- **Therefore, option D is the correct answer.**

3) Answer: (B)

- **Statement I:** The PARIVARTAN Scheme aims to reduce transport-related air pollution in the Delhi-NCR region by accelerating the replacement of old commercial vehicles. **Hence, Statement I is correct.**
- **Statement II:** The scheme combines financial support with vehicle replacement to facilitate the transition towards cleaner commercial transport. This directly explains



how the objective stated in Statement I is pursued. Hence, Relationship 1 is correct.

- **Statement III:** The scheme covers eligible trucks and buses registered in **Delhi and specified NCR districts of Haryana, Rajasthan and Uttar Pradesh**. Thus, it specifies the geographical scope of the intervention mentioned in Statement I. **Hence, Relationship 2 is correct.**
- **Relationship 3:** Statement II does not contradict Statement I. Financial support is an instrument used to achieve the broader objective of reducing transport-related pollution. **Hence, Relationship 3 is incorrect.**
- **Therefore, Relationships 1 and 2 are correct.**
- **Hence, option (B) is the correct answer.**

4) Answer: (A)

- **Krutrim — Correct:** Krutrim is an **indigenous AI model developed in India**, with a focus on Indian languages and applications.
- **Evon — Correct:** Evon is an **indigenous AI model developed by Gnani AI in India**, with a focus on Indian languages and sovereign AI capabilities.
- **Param — Correct:** Param is a **multilingual foundation-model family developed under BharatGen**, an Indian initiative focused on building indigenous AI capabilities.
- **Qwen — Incorrect:** Qwen is a family of AI models developed by **Alibaba Cloud of China**. Therefore, it is **not an indigenous Indian AI model**.
- **Hence, option A is the correct answer.**

5) Answer: (B)

- **Statement 1 is correct:** The FGM-148 Javelin is a man-portable, shoulder-fired Anti-Tank Guided Missile (ATGM) system. It utilizes an automated Imaging Infrared (IIR) seeker that locks onto the target before firing, making it a **fire-and-forget** system. Once launched, the missile navigates autonomously to the target, allowing the operator to take cover or relocate immediately.
- **Statement 2 is incorrect:** The Javelin **does not use wire-guidance technology**. Unlike older-generation systems (such as the M47 Dragon or TOW), it is completely wireless and relies on its onboard infrared homing seeker to track and hit targets independently after launch.
- **Statement 3 is correct:** The system's reusable Command Launch Unit (CLU) incorporates an **optical day sight** (with optical zoom/magnification) and a **thermal imaging (infrared) sight** for target acquisition and surveillance under all weather and lighting conditions.
- **Therefore, option B is the correct answer.**