VAID ICS LUCKNOW

DAILY CURRENT AFFAIRS QUIZ

23/09/2025

**ANSWER & EXPLANATION**:

**Qn 1:**

**Answer:**
**C. 2 and 3 only**

**Explanation:**

* **Statement 1:** **Incorrec**t. The Central Motor Vehicles Act, 1988, **does include penalties for driving under the influence of alcohol or drugs** (Section 185). So this statement is wrong.
* **Statement 2:** Correct. The Act empowers **State Governments to appoint Motor Vehicle Inspectors** to ensure compliance with provisions related to road safety, vehicle fitness, and emission norms.
* **Statement 3:** Correct. The Act allows the **Central Government to constitute committees and frame policies**, including a National Transport Policy Committee, to guide road safety, transport management, and policy implementation.

**Qn 2:**

**Answer:** A. 1 and 3 only

**Explanation:**

* **Statement 1:** Correct. PWRs indeed use pressurized water as both coolant and moderator and are typically around 1500 MW(e).
* **Statement 2:** Incorrect. FBRs are designed to produce **more** fissile material than they consume, which makes them highly suitable for countries with limited fissile resources, like India.
* **Statement 3:** Correct. BWRs allow water to boil directly in the reactor core, generating steam that drives turbines.

**Qn 3:**

**Correct Answer:** D) 1, 2, and 3

**Explanation:**

1. **Statement 1:** The Industrial Production Index (IIP) in China is indeed calculated based on the volume change of industrial production activities, encompassing the output of manufacturing, mining, and utilities sectors. This index serves as a key indicator of industrial activity and economic health.
2. **Statement 2:** China's Index of Core Industries (ICI) is a composite measure that includes critical sectors such as coal, crude oil, natural gas, refinery products, fertilizers, steel, cement, and electricity. These industries are vital to the country's industrial base and are closely monitored for economic analysis.
3. **Statement 3:** In August 2025, China's IIP showed a year-on-year growth of 5.2%, indicating a slowdown from the previous month's growth rate of 5.7%.

**Qn 4:**

**Answer:** A. 1 and 2 only

**Explanation:**

* **Statement 1:** Correct. The New START Treaty sets a limit of 1,550 deployed strategic nuclear warheads for both the U.S. and Russia.
* **Statement 2:** Correct. The treaty mandates verification measures, including on-site inspections, notifications, and data exchanges, to ensure compliance.
* **Statement 3:** Incorrect. The treaty is **bilateral**, exclusively between the U.S. and Russia. Other nuclear-armed states like China, India, Pakistan, and North Korea are **not parties** and their warheads are not counted under the treaty.

 **Qn 5:**

B)

**Explanation:**

* 2025 PN7 is **not a comet or man-made satellite**.
* It is a **tiny quasi-moon**, possibly the smallest of its kind, temporarily orbiting Earth.
* Studying such objects helps scientists understand **near-Earth objects (NEOs)** and transient space visitors.