

**Daily-mcqs** 03 Apr 2025

Current Affairs MCQs for UPSC & State PSC Exams 03 Apr 2025



## Daily MCQs for UPSC/PSC Exams

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**Q1: Consider the following statements regarding the Fram2 mission:**

1. The Fram2 mission is the **first private human spaceflight** to use a **polar orbit**.
2. The mission was launched by **NASA** as part of its Artemis program.
3. The mission aims to conduct **biological and medical research in space**, including the first human X-ray in space.

Which of the statements given above is/are correct?

- A:** 1 and 3 only  
**B:** 2 and 3 only  
**C:** 1 and 2 only  
**D:** All of the above

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**Q2: What is Stable Isotope Analysis used in tracking the migration of the Painted Lady Butterfly?**

- A:** A method that uses isotopic markers to distinguish genetically different populations  
**B:** A process that studies isotopic compositions in wings to determine the region where the butterfly developed as a larva  
**C:** A technique that uses radio signals to track real-time movement patterns  
**D:** A process that involves tagging butterflies with chemical markers to trace migration routes

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**Q3: Match the following nuclear reactor types with their key characteristics:**

**Nuclear Technology**

**Primary Feature**

- |                                       |   |
|---------------------------------------|---|
| <b>A. Small Modular Reactor (SMR)</b> | <b>1. Factory-built, scalable, and designed for flexible deployment</b> |
|---------------------------------------|---|

<b>B. Pressurized Water Reactor (PWR)</b>	<b>2. Uses water as both coolant and neutron moderator for stable operation</b>
<b>C. Fast Breeder Reactor (FBR)</b>	<b>3. Produces more fissile material (Plutonium-239) than it consumes</b>
<b>D. Molten Salt Reactor (MSR)</b>	<b>4. Uses liquid fuel instead of solid fuel, allowing high-temperature operation</b>

Which of the following is the correct match?

- A:** A-1, B-2, C-3, D-4
- B:** A-2, B-1, C-4, D-3
- C:** A-3, B-4, C-1, D-2
- D:** A-4, B-3, C-2, D-1

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**Q4: Which country has made the largest investment in solar energy?**

- A:** United States
- B:** Germany
- C:** China
- D:** India

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**Q5: Consider the following statements regarding Nepal's political system:**

- 1. Nepal abolished its monarchy and became a federal republic in 2008.**
- 2. Since 2008, Nepal has had only two stable governments, both led by the Communist Party of Nepal.**
- 3. The current political structure in Nepal is characterized by frequent coalition formations and dissolutions.**

**How many of the above statements are correct?**

- A:** Only one
- B:** Only two
- C:** All three
- D:** None

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