

Daily Current Affairs Prelims Quiz 23-04-2025 (Online Prelims Test)

- 1) Who was the first Indian to formally demand reforms in the civil service in India?
 - a. Dadabhai Naoroji
 - b. Raja Ram Mohan Roy
 - c. Surendranath Banerjee
 - d. Gopal Krishna Gokhale

Answer: b

Civil service day

- Civil Services Day is celebrated on April 21.
- Raja Ram Mohan Roy was the first Indian to have placed the demand for reform of the civil service in India in a formal manner.
- He asserted that many of the Indians were fully qualified to discharge the duties assigned to them.

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- 2) Consider the following statements regarding perovskite solar cells
 - 1. Perovskite solar cells are third-generation solar cells that use metal halide perovskite compounds as light absorbers.
 - 2. They are more expensive to produce than silicon-based solar panels but offer higher energy conversion efficiency.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: a

Perovskite solar cells

- A perovskite solar cell is a third-generation solar cell that employs a \underline{metal} $\underline{halide\ perovskite}$ compound as a light absorber.
- Perovskite solar cells are made up of multiple layers.
- They are *cheaper to produce* than silicon-based solar panels and offer higher efficiency in energy conversion.

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- 3) Consider the following statements regarding Ramsar Convention
 - 1. Ramsar sites are wetlands designated under the Ramsar Convention for their international ecological significance.
 - 2. China has more Ramsar sites than India.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: a

Ramsar Sites in India

- Ramsar sites are wetlands of international importance designated under the $\underline{\textit{Ramsar Convention.}}$
- India (89) has more Ramsar sites compared to China (82).
- At Present, India has 89 Ramsar sites, covering 8% of total wetlands area in India.

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- 4) Consider the following statements regarding the Jal Jeevan Mission
 - 1. The mission aims to provide Functional Household Tap Connections delivering 55 lpcd of drinking water to all rural households.
 - 2. The mission achieved 100% coverage of rural households by 2024, meeting its original target.

Which of the statements given above is/are incorrect?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer: b

Jal Jeevan Mission

- Aim To provide *Functional Household Tap Connections (FHTC)* to provide 55 lpcd (litre per capita per day) drinking water to all rural households in the country by 2024.
 - 75% of the target achieved over 5 years, so extended till 2028.
- Launched in August 2019.
- Nodal Ministry Ministry of Jalshakti.
- Funding Centrally Sponsored Scheme.

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5) Consider the following statements

Statement-I: The CROP framework, developed by ISRO's NRSC, is a semi-automated system for monitoring crop sowing and harvesting in India's Rabi season.

Statement-II: It enables near real-time crop monitoring to support agricultural planning and food security strategies.

Select the correct answer using the codes given below

- a. Both Statement-I & II are correct and Statement-II is the correct explanation for Statement-I
- þ. Both Statement-I & II are correct and Statement-II is not the correct explanation for Statement-
- c. Statement-I is correct but Statement-II is incorrect
- d. Statement-I is incorrect but Statement-II is correct

Answer: a

CROP

- CROP Comprehensive Remote Sensing Observation on Crop Progress.
- It is a <u>semi-automated and scalable framework</u> developed by ISRO's National Remote Sensing Centre (NRSC).
- Function It enables near real-time monitoring of crop sowing and harvesting during the *Rabi season* across India.

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