



Daily Current Affairs Prelims Quiz 17-04-2025 (Online Prelims Test)

1) Carbon Credit Trading Scheme (CCTS) in India is administered by?

- a. Central Electricity Regulatory Commission
- b. Bureau of Environmental Efficiency
- c. Ministry of Forests and Climate change
- d. Indian Energy Exchange

Answer : b

Carbon Credit Trading Scheme (CCTS)

- **India's Carbon Credit Trading Scheme (CCTS)** - It is a market-based mechanism aimed at reducing greenhouse gas emissions by incentivizing industries to reduce emissions and trade carbon credits.
- The scheme replaces the existing Perform, Achieve, and Trade (PAT) scheme, which focused on energy efficiency improvements.
- **Legal Framework** - The Energy Conservation (Amendment) Act, 2022, provides the legal basis for the CCTS and allows for the issuance of Carbon Credit Certificates (CCCs).
- **Regulatory Body** - The Bureau of Energy Efficiency (BEE) is responsible for implementing and overseeing the CCTS.

To know more about this, click [here](#)

2) Consider the following statements regarding Rare Earth Elements (REEs)

- 1. REEs are a group of 17 silvery-white soft heavy metals, also known as rare earth oxides.
- 2. They are primarily used in advanced electronics due to its magnetic property.

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 : c

Rare Earth Elements (REEs)

- They are a set of 17 silvery-white soft heavy metals.
- It is also called rare earth oxides.
- **Properties** - Malleable with high melting and boiling points.

- They exhibit both strong magnetic and luminescent properties due to their unique electronic structure.

To know more about this, click [here](#)

3) Consider the following statements regarding Sankaran Nair

1. He was a member of the Viceroy's Executive Council, with a focus on educational reforms.
2. He served as a councillor to the Secretary of State for India from 1920 to 1921.

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 : c

Sankaran Nair

- He is a nationalist and jurist and a firm opponent of British colonialism.
- **Born in** - 1857 in an aristocratic family in Malabar's Palakkad district.
- **Graduated from** - Presidency College in Madras and got a degree in law.
- He was a member of the Viceroy's Executive Council, with a focus on educational reforms.
- He served as a councillor to the Secretary of State for India from 1920 to 1921.

To know more about this, click [here](#)

4) Consider the following statements regarding Mugger Crocodiles

1. They are primarily found in freshwater habitats like rivers, lakes and marshes.
2. Mugger crocodile is the only fresh water crocodile found in 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

Mugger crocodiles

- The mugger crocodile (*Crocodylus palustris*) is a medium-sized broad-snouted crocodile, also known *marsh crocodile*.
- **Scientific name** - *Crocodylus palustris*
- **Distribution** - India (15 states), Sri Lanka, Pakistan, Nepal, Bangladesh and Iran.
- **Habitat** - They are primarily found in *freshwater habitats* like rivers, lakes and marshes.

- India is home to three crocodiles – Fresh water (Mugger, Gharial) and a salt water crocodile (*Crocodylus porosus*)

To know more about this, click [here](#)

5) Consider the following statement regarding the recently developed rt-LAMP assay test.

1. It is a novel molecular test with high sensitivity and specificity for early diagnosis of Tuberculosis (TB).
2. It is diagnosed by detecting the specific proteins or antigens responsible for infection.

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

rt-LAMP assay test

- It is a novel molecular test with high sensitivity and specificity for early diagnosis of Tuberculosis (TB).
- It was able to detect TB DNA even when only 10 copy numbers were present per microlitre in a sample.
- Molecular assays are vital for genetic testing, pathogen detection, and gene expression studies.
- Molecular assays, analyze genetic material (DNA and RNA) to detect and identify diseases.

To know more about this, click [here](#)