



## Daily Current Affairs Prelims Quiz 26-02-2025 (Online Prelims Test)

1) Consider the following statements regarding Solar Coronal Holes

1. The temperature structure of coronal holes is uniform across different latitudes, showing no significant variation.
2. The magnetic field strength within coronal holes decreases from the solar equator to the poles.
3. Coronal holes are believed to originate from the deep solar interior and may form due to the superposition of Alfvén wave perturbations.

Which of the statements given above are correct?

- a. 1 and 2 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1, 2 and 3

Answer : c

### Solar Coronal Holes



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- **Statement 2 Incorrect** because the magnetic field strength within coronal holes **increases from the solar equator to the poles**, not decreases.
- Coronal holes are believed to originate from the deep solar interior and may form due to the superposition of **Alfvén wave perturbations**.
- The temperature structure of coronal holes is uniform across different latitudes, with no significant variation.

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

2) What is the primary cause of Spinal Muscular Atrophy (SMA)?

- a. Environmental factors
- b. Autoimmune reactions
- c. Genetic mutation
- d. Nutritional deficiency

Answer : c

### Genetic mutation

- SMA is caused by a mutation in the **SMN1 gene**.
- This mutation results in a **Protein deficiency** of the survival motor neuron (SMN) protein.
- The SMN protein is vital for maintaining healthy motor neurons in the spinal cord.
- Without sufficient SMN protein, motor neurons deteriorate, leading to muscle weakness and atrophy.

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

3) Which of the following is correct about the Tea Horse Road?

- a. A singular route established as a part of silk route solely for transporting tea and horses.
- b. An ancient trade network connecting China, Tibet, and India, facilitating the exchange of tea, horses, and other goods.
- c. A modern highway developed in the early 20th century to revive ancient trade practices.
- d. A pilgrimage route used exclusively by Buddhist monks for religious dissemination.

Answer : b

### Tea Horse Road

- It is spanned more than 2,000 km, and connected China to India via Tibet.
- It witnesses the exchanges and interaction between China and India.
- **Origin** - It can be traced to the rule of the Tang dynasty in China (618-907 CE).
- The Tea Horse Road does not refer to a single road but a network of branching paths that began in southwest China and ended in the Indian subcontinent.
- Tea Horse Road is **not part of the Silk Road**, it is a separate network of paths that connected China to India and Tibet.
- It served as a crucial channel for exchanging vital commodities, notably tea and horses.

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

4) Consider the following statements:

**Statement-1:** Prakriti 2025 seeks to integrate agricultural markets with India's climate action strategy.

**Statement-II:** It promotes resilience, awareness, knowledge, and resources to address climate change challenges.

Which one of the following is correct in respect of the above statements?

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

Answer : d

### Prakriti 2025

- **Statement-I** is **incorrect** as Prakriti 2025 seeks to integrate **carbon markets** with India's climate action strategy.
- **Inauguration** - Union Minister for Power, Shri Manohar Lal.
- **Location** - New Delhi.
- **Focus** - Carbon markets and transformational climate initiatives.
- **Goal** - Promoting resilience, awareness, knowledge, and resources.

5) Which of the following statements is/are correct regarding the 12<sup>th</sup> Regional 3R & Circular Economy Conference hosted by India?

1. The conference is organized under the nodal agency of the Ministry of Housing & Urban Affairs.
2. The theme of the conference is "Realizing Circular Societies towards Achieving Sustainable Development Goals & Carbon Neutrality in Asia-Pacific."
3. The event was originally launched by the United Nations Centre for Regional Development in

2009.

4. The conference will conclude with the adoption of the "Jaipur Declaration" to promote a circular economy across the Global countries.

Which of the statements given above are correct?

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

Answer : a

### 12<sup>th</sup> Regional 3R & Circular Economy Conference

- **Statement 4 is incorrect** as the conference will conclude with the adoption of the "Jaipur Declaration" to promote a circular economy in Asia- pacific region only.
- The nodal agency for the conference is the **Ministry of Housing & Urban Affairs**.
- The theme is "**Realizing Circular Societies** Towards Achieving Sustainable Development Goals & Carbon Neutrality in Asia-Pacific."
- The initiative was launched by the United Nations Centre for Regional Development in 2009.

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

