

VAID ICS LUCKNOW  
DAILY CURRENT Affairs QUIZ FOR UPSC

09/01/2025

EXPLANATION

**Qn. 1 Answer: (b) 2 and 3 only**

**Explanation:**

- The polar vortex exists primarily in the **stratosphere**, though it can influence the troposphere (**statement 1** is incorrect).
- It strengthens during winter because the temperature difference between the poles and the equator increases (**statement 2** is correct).
- A weakened polar vortex can destabilize weather patterns, causing cold Arctic air to flow south, resulting in extreme cold waves (**statement 3** is correct).

Qn.2

**Answer:** (b) 1 and 3 only

**Explanation:**

- **Statement 1:** Correct. The Miyawaki technique emphasizes planting native tree species close together to mimic natural forests.
- **Statement 2:** Incorrect. The technique avoids the use of chemical fertilizers and pesticides, relying instead on organic materials to promote growth.
- **Statement 3:** Correct. The dense planting improves biodiversity, attracts wildlife, and enhances soil quality over time.

Qn. 3

**Answer:** (c) 3 and (d)

**Explanation:**

- **Brahmi (1) and Sanskrit/Prakrit (b):** Correct. Brahmi was used in the Indian subcontinent and is the origin of several scripts including those for Sanskrit and Prakrit languages.
- **Kharosthi (2) and Northwestern India/Gandhara (c):** Correct. Kharosthi was primarily used in Gandhara (present-day Pakistan and Afghanistan), and it was used for Prakrit and Sanskrit.
- **Devanagari (3) and North India/Sanskrit (d):** Incorrect. Devanagari is used for Sanskrit, Hindi, and many other languages in North India but not for Sanskrit in the sense that it evolved directly from Brahmi through the Gupta script. The matching statement is a simplification.
- **Tamil-Brahmi (4) and Tamil/Dravidian languages (a):** Correct. Tamil-Brahmi is a version of Brahmi used to write early Tamil, one of the Dravidian languages.

Qn. 4

**Answer:** (d)

**Explanation:**

- **Statement 1: Correct.** The **18th Pravasi Bharatiya Divas (PBD)** will be held in **Indore, Madhya Pradesh in January 2025.**
- **Statement 2: Correct.** The theme for **2025** is "**Connecting for a New India**", focusing on enhancing the relationship between India and its diaspora.
- **Statement 3: Correct.** The **PBD 2025** aims to highlight the Indian diaspora's role in the global economic recovery and their contributions to **environmental sustainability**
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Qn. 5 a Only 3

**Explanation:**

- **Gynecomastia** (male breast enlargement) and **hypogonadism** (reduced function of the testes leading to low androgen levels) are conditions associated with **low androgen levels** in males.
- **Male pattern baldness** is typically linked to a high level of the androgen **dihydrotestosterone (DHT)**, not low levels.
- **PCOS** is a female condition and is typically associated with high levels of androgens in women.