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Daily current affairs March 5,2025

1.Where was the Visitors Conference 2024-25 organized?

- [A] New Delhi
- [B] Mumbai
- [C] Chennai
- [D] Hyderabad

Correct Answer: A [New Delhi]

President Droupadi Murmu inaugurated the Visitor's Conference 2024-25 at Rashtrapati Bhavan, New Delhi, highlighting the role of higher education in India's future. The first-ever Visitors Conference was inaugurated by President Pranab Mukherjee in November 2015. She presented the 8th Visitor's Awards to top researchers in quantum tech, pharmaceuticals, aquaculture, cancer research, and plastic-to-fuel conversion.

2.Which ministry has announced the Cities Coalition for Circularity (C-3) initiative ?

- [A] Ministry of Science and Technology
- [B] Ministry of Environment
- [C] Ministry of Finance
- [D] Ministry of Housing and Urban Affairs

Correct Answer: D [Ministry of Housing and Urban Affairs]

The Union Minister for Housing and Urban Affairs announced the Cities Coalition for Circularity (C-3). It is a global alliance promoting city-to-city collaboration, knowledge-sharing, and private sector partnerships. The announcement was made at the 12th Regional 3R and Circular Economy Forum in Jaipur. C-3 aims to boost resource efficiency and support a low-carbon economy. It will enhance cooperation among policymakers, industry leaders, and researchers. The initiative focuses on building a sustainable future through circular economy principles.

3.What is the name of the iron-containing mineral recently linked to the red color of Mars?

- [A] Hematite
- [B] Goethite
- [C] Ferrihydrite
- [D] Magnetite

Correct Answer: C [Ferrihydrite]

A study suggests Mars' red color may be due to the iron-containing mineral ferrihydrite. Ferrihydrite is a poorly crystalline nanomineral made of 20% (FeO_4) and 80% (FeO_6) polyhedra. It forms through rapid oxidation and hydrolysis and exists in a disordered structure. It is an initial corrosion product of iron, leading to goethite and hematite formation. Found in soils, weathered rocks, and around iron-rich springs, especially with iron-metabolizing bacteria. It traps water, protects organic molecules, and forms rapidly in cool water. Present in meteorites as a pre-terrestrial weathering product.

4.Who won the doubles title at the Dubai Tennis Championships 2025?

- [A] Yuki Bhambri and Alexei Popyrin
- [B] Harri Heliövaara and Henry Patten
- [C] Matthew Ebden and Jamie Murray
- [D] John Peers and Henry Patten

Correct Answer: A [Yuki Bhambri and Alexei Popyrin]

Yuki Bhambri (India) and Alexei Popyrin (Australia) won the doubles title at the Dubai Tennis Championships 2025. It was their first ATP 500 doubles title. Stefanos Tsitsipas (Greece) won the singles title. The Dubai Open, an ATP 500 event, had a prize pool of \$3,237,670. It was held from 24 February to 1 March 2025 in Dubai, UAE.

5.Lake Tanganyika, which was seen in news, is located in which continent?

- [A] Australia
- [B] Africa
- [C] Europe
- [D] South America

Correct Answer: B [Africa]

Countries around Lake Tanganyika launched a five-year project to tackle biodiversity threats. Lake Tanganyika is an ancient lake in East Africa. It borders Burundi, Democratic Republic of Congo, Tanzania, and Zambia. It is the world's longest and one of the deepest lakes, stretching over 400 miles. It is located in the Western Rift Valley, steep land rises along its shores. It marks the division between East and West African floral regions, with oil palms on its shores.

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