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Daily Current affairs May – 28 2025

1.Kilauea Volcano, that was recently seen in news, is located in which country?

- [A] Indonesia
- [B] United States
- [C] Ethiopia
- [D] Japan

Correct Answer: B [United States]

The Kilauea volcano on Hawaii's Big Island recently erupted with lava fountains reaching over 1,000 feet high. Kilauea is one of the world's most active volcanoes. It is a shield-type volcano located in the southeastern part of the island of Hawaii in the state of Hawaii, United States. The volcano stands at 4,190 feet or 1,227 meters above sea level. Its summit caldera has a lava lake called Halema'uma'u, believed to be the home of Pele, the Hawaiian volcano goddess. Its slopes join with those of Mauna Loa volcano to the west and north. Kilauea has been erupting almost continuously since 1983. Its eruptions are mostly nonexplosive and usually remain within Halema'uma'u, sometimes overflowing onto the caldera floor and sides.

2.National Apprenticeship Promotion Scheme (NAPS) is an initiative of which ministry?

- [A] Ministry of Urban Development

[B] Ministry of Finance

[C] Ministry of Skill Development and Entrepreneurship

[D] Ministry of Micro, Small and Medium Enterprises

Correct Answer: C [Ministry of Skill Development and Entrepreneurship]

Recently, the 38th Meeting of the Central Apprenticeship Council (CAC) was held under the chairmanship of the Minister of State (Independent Charge), Ministry of Skill Development and Entrepreneurship (MSDE). The council recommended a 36% increase in stipend under the National Apprenticeship Promotion Scheme (NAPS) and the National Apprenticeship Training Scheme (NATS). The scheme was launched on 19th August 2016 by the Government of India. The scheme provides financial support to establishments running apprenticeship programs. It is an initiative by Ministry of Skill Development and Entrepreneurship to boost apprenticeship training across the country.

3.What is the theme of 9th India Mobile Congress (IMC) 2025?

[A] Innovate to Transform

[B] New Digital Universe

[C] Global Digital Innovation

[D] The Future is now

Correct Answer: A [Innovate to Transform]

Recently, Shri Jyotiraditya M. Scindia, Minister for Communications and Development of North East Region, unveiled the theme “Innovate to Transform” for the 9th edition of the India Mobile Congress (IMC) 2025. India Mobile Congress 2025 will be held from 8th to 11th October 2025 at Yashobhoomi Convention Centre, New Delhi. The event will focus on innovation as a driving force for digital transformation across sectors like infrastructure, society, and

sustainability. IMC 2025 is organized by the Department of Telecommunications (DoT) and the Cellular Operators Association of India (COAI).

4.What type of naval vessel is INS Brahmaputra that was recently seen in news?

- [A] Guided missile frigate
- [B] Nuclear powered submarine
- [C] Aircraft carrier
- [D] Research vessel

Correct Answer: A [Guided missile frigate]

Recently, officials said that INS Brahmaputra, a guided missile frigate of the Indian Navy, damaged in a dockyard accident last year, will regain seaworthiness by late 2025 and be fully combat-ready by mid-2026. INS Brahmaputra is the first indigenously built Brahmaputra-class guided missile frigate. It was built by Garden Reach Shipbuilders and Engineers Limited (GRSE) in Kolkata. The ship was commissioned into the Indian Navy on April 14, 2000. It performs coastal and offshore patrolling, sea route monitoring, maritime diplomacy, counter-terrorism, and anti-piracy missions.

5.Which institute has discovered a new method to detect topological invariants in quantum materials using the spectral function?

- [A] Indian Institute of Science (IISc), Bengaluru
- [B] Raman Research Institute (RRI), Bengaluru
- [C] Indian Institute of Technology (IIT), Bombay
- [D] Indian Institute of Technology (IIT), Delhi

Correct Answer: B [Raman Research Institute (RRI), Bengaluru]

Scientists at Raman Research Institute (RRI), Bengaluru, under the Department of Science and Technology, have found a new method to detect topological invariants in quantum materials using the spectral function. The spectral function is a quantum tool that shows how energy and particles like electrons behave inside a material. It is commonly used to study electronic structure such as density of states and dispersion relations. The team focused on momentum-space spectral function (SPSF), which acts like a quantum fingerprint showing how electrons are spread across energy and momentum. This method reveals hidden topological features using values like winding numbers in one-dimensional systems and Chern numbers in two-dimensional systems.

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