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## Daily Current affairs 27 April , 2025

**1.PM MITRA Scheme was implemented by which ministry?**

- [A] Ministry of Textiles
- [B] Ministry of Agriculture
- [C] Ministry of Commerce and Industry
- [D] Ministry of Urban Development

**Correct Answer:** A [Ministry of Textiles]

Madhya Pradesh has received formal approval for the ₹2,100 crore Prime Minister Mega Integrated Textile Region and Apparel (PM MITRA) Park project. The project has been sanctioned by the Union Ministry of Textiles and will be the first integrated textile park of its kind in India. The PM MITRA Scheme aims to strengthen the Indian textile industry by enabling larger-scale operations. It seeks to reduce logistics costs by housing the entire value chain at one location. The scheme also aims to attract investment and enhance export potential. It is inspired by the 5F vision (Farm to Fibre to Factory to Fashion to Foreign) of the Prime Minister. The scheme was implemented by the Ministry of Textiles.

**2.What is “Mycetoma” that was recently seen in news?**

- [A] Invasive weed
- [B] A chronic, progressively destructive infectious disease

- [C] A genetic disorder
- [D] Traditional medicine

**Correct Answer:** B [A chronic, progressively destructive infectious disease]

The world's only research centre on mycetoma, a neglected tropical disease, has been destroyed in Sudan's two-year war. Mycetoma is a chronic, progressively destructive infectious disease of the subcutaneous tissues, affecting the skin, deep tissues, and bones. It was first reported in Madurai, India, in the mid-19th century and was initially called Madura foot. Mycetoma is caused by a variety of microorganisms, either fungal or bacterial. It commonly affects young males aged 15 to 30 years in developing countries. The disease is found in tropical and subtropical regions with short rainy seasons and prolonged dry periods. Mycetoma is endemic in the "Mycetoma belt," including countries like Sudan, Chad, and India.

**3.Which country has discovered a bacteria named Ca. Electrothrix yaqonensis that can conduct electricity?**

- [A] United States of America (USA)
- [B] France
- [C] Germany
- [D] India

**Correct Answer:** A [United States of America (USA)]

Scientists in the USA have discovered a bacteria named Ca. Electrothrix yaqonensis that can conduct electricity. It is named after the Yaqona people, indigenous to the Yaquina Bay region in the USA. This bacterium is notable for its ability to conduct electricity, a rare trait among bacteria. The conductivity helps optimize metabolic functions in sediment environments. Ca. Electrothrix yaqonensis

holds potential for developing bioelectronic devices in medicine, industry, and food safety. These bacteria can transfer electrons to clean up pollutants, making them useful for removing harmful substances from sediments.

**4.Which organization conducted the ground test of the Scramjet Engine in India?**

- [A] Indian Space Research Organisation (ISRO)
- [B] Defence Research and Development Organisation (DRDO)
- [C] Hindustan Aeronautics Limited (HAL)
- [D] Indian Army Research Centre (IARC)

**Correct Answer:** B [Defence Research and Development Organisation (DRDO)]

Recently, the Defence Research and Development Laboratory (DRDL), under the Defence Research and Development Organisation (DRDO), successfully conducted a ground test of a Scramjet Engine for over 1,000 seconds in Hyderabad. A Scramjet (Supersonic Combustion Ramjet) is an air-breathing engine designed to operate efficiently at hypersonic speeds, Mach 5 and above. Unlike traditional jet engines, Scramjets do not use rotating compressors; instead, they rely on the vehicle's high speed to compress air. Scramjets enable supersonic combustion, making them ideal for Hypersonic Cruise Missiles (HCMs).

**5.Yellowstone super volcano, which was seen in news, is located in which country?**

- [A] Indonesia
- [B] Malaysia
- [C] Philippines
- [D] United States

**Correct Answer:** D [United States]

A “breathing” cap of magma has been discovered inside the Yellowstone supervolcano, which might help predict when the volcano will next erupt, according to a new study. The Yellowstone supervolcano lies beneath Yellowstone National Park, in the western United States. It is one of the largest active volcanic systems in the world. The supervolcano is a caldera, a large crater formed by a major eruption, and is an active supervolcanic system. The caldera measures 55 x 72 km (34 x 45 miles) in size.

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