

September - 03

## TNPSC BITS

- ❖ The Madras Medical College (MMC) is among the six institutions selected for the “ICMR Centre for Advanced Research (CAR): Rural Healthcare Transformation (RAHAT) project”.
- ❖ Reliance Jio is developing a suite of tools and applications that span the entire artificial intelligence (AI) lifecycle called ‘JioBrain’.
- ❖ Joseph Francis A. Pereira, a Christian from Pakistan, has become the first person in Goa to receive Indian citizenship under the Citizenship Amendment Act (CAA).
- ❖ The Himachal Pradesh Assembly has passed a Bill to raise the minimum age of marriage for women from 18 to 21 years.
- ❖ Andhra Pradesh GM Karthik Venkataraman won the title of the 61st India Chess Championship organised by the Haryana Chess Association.
- ❖ Recently released Uttar Pradesh’s Digital Media Policy 2024 allows it to pay up to Rs 8 lakh per month to an empanelled influencer to publicise its schemes.
- ❖ Typhoon Shanshan hits Japan with torrential rainfalls.

## TAMIL NADU

### New municipalities of Tamilnadu 2024

**நகராட்சி நிர்வாகம் மற்றும் குடிநீர் வழங்கல் துறை,**


- ⦿ ஸ்ரீபெரும்புதூர், திருவையாறு, மாமல்லபுரம் பேரூராட்சிகளை
- ⦿ நகராட்சி மன்றங்களாக அமைத்துருவாக்குதல்- தரமுயர்த்துதல் தொடர்பாக அறிவிக்கை வெளியிட்டுள்ளது.
- ⦿ 2023-2024 ஆம் நிதியாண்டிற்கான மானிய கோரிக்கை விவாதத்தின் மீதான பதிலுரையில் மாண்புமிகு நகராட்சி நிர்வாகத்துறை அமைச்சர் அவர்கள்,
- ⦿ பேரூராட்சிகள் தரம் உயர்த்தப்படும் என்று அறிவித்ததை தொடர்ந்து இந்த நடவடிக்கை எடுக்கப்பட்டுள்ளது.

- ❖ Tamil Nadu govt upgraded Sriperumbudur and Mamallapuram town panchayats into second-grade municipalities.

- ❖ Along with this, Thiruvaiyaru in Thanjavur district has also been upgraded to a second-grade municipality.
- ❖ The state has 25 municipal corporations, 138 municipalities and 490 town panchayats under the control of the municipal administration department.

### Private hospitals under MRMBS

- ❖ The Health Department has initiated the process of empanelling private hospitals under Dr. Muthu Lakshmi Reddy Maternity Benefit Scheme (MRMBS).
- ❖ The scheme provides financial assistance to the poor pregnant women mandated delivery at government institutions till 2017.
- ❖ Thereafter, the government has approved extension of the scheme to those who availed themselves of free health services at private medical college hospitals.
- ❖ In 2018, it was co-branded with the government of India's Pradhan Mantri Matru Vandana Yojana (PMMVY).
- ❖ In its present form, the scheme extends the financial assistance to the tune of ₹18,000 that included two maternal nutritional kits each worth ₹2,000.



### Nurturing motherhood

An overview of Dr. Muthulakshmi Reddy Maternity Benefit Scheme

<p><b>1.20 cr.</b> Total number of beneficiaries [2006-2024]</p> <p><b>₹10,841.14 cr.</b> Amount distributed</p> <p><b>Revised scheme and conditionalities of Dr. MRMBS-PMMVY 2.0 co-branding from 2024-2025</b></p> <p><b>Cash</b></p> <ul style="list-style-type: none"> <li>■ First instalment of ₹6,000 at fourth month of pregnancy</li> <li>■ Second instalment of ₹6,000 after fourth month of delivery</li> <li>■ Third instalment of ₹2,000 after ninth month of delivery</li> </ul>	<p>■ Under MRMBS, maternity assistance of ₹18,000, including two nutrition kits worth ₹2,000 each, is provided</p> <p><b>Nutrition kit</b></p> <ul style="list-style-type: none"> <li>■ First kit worth ₹2,000 during third month of pregnancy</li> <li>■ Second kit worth ₹2,000 will be provided during sixth month of pregnancy</li> </ul>	<p><b>General eligibility criteria for co-branding of Dr. MRMBS and PMMVY 2.0</b></p> <ol style="list-style-type: none"> <li><b>1</b> Women belonging to Scheduled Castes</li> <li><b>2</b> Women belonging to Scheduled Tribes</li> <li><b>3</b> Women who are partially (40%) or fully disabled</li> <li><b>4</b> Women who hold below poverty line (BPL) ration cards</li> <li><b>5</b> Women whose net family income is less than ₹8 lakh per annum</li> <li><b>6</b> Beneficiaries of Tamil Nadu Magalir Urimai Thogai Thittam</li> </ol>
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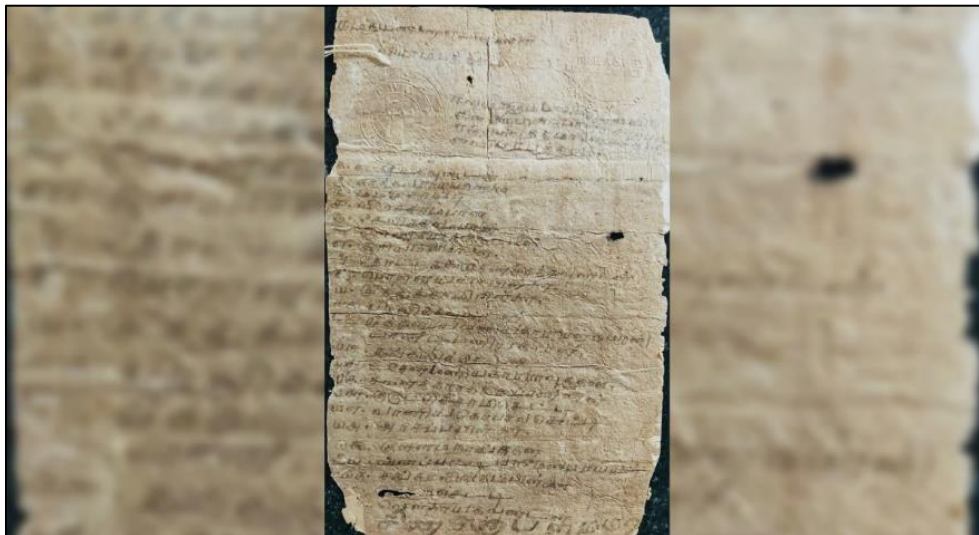
### Solar power output by TANGEDCO

- ❖ TANGEDCO has absorbed 43.2 million units (Mu) of solar power into the grid, marking the highest ever so far.
- ❖ Solar power generation has peaked at 5,648 megawatts (MW).
- ❖ The all-time high peak generation of 5,979 MW was recorded on August 9.

- ❖ Tamil Nadu has an installed capacity of 8,574 MW of solar power, with 1,462 MW connected to the grid in 2023-24.
- ❖ It is including 200 MW of rooftop solar systems.



### 19<sup>th</sup> century stamp paper



- ❖ The stamp paper discovered in Palani dates back to the 19th century.
- ❖ It was written by Chinnoppamma, the wife of Velayudam Chinna Naicken, the last Zamindar of Palani-Balasaradram.





- ❖ Reportedly, Naicken was taken to a prison in Chennai where he died under mysterious circumstances.
- ❖ To maintain the large farmlands of the Zamindar, she nominated 23 managers.
- ❖ There are two seals of the EIC. One seal contains the price of the stamp paper — two annas (the word 'two annas' is written in four languages — Tamil, English, Urdu and Telugu).
- ❖ The other seal contains the seal of the treasury that sold the paper.
- ❖ All transactions were carried out by the treasury of the EIC.
- ❖ The entire letter is written in Tamil and the date of the stamp paper is mentioned as February 21, 1818.

## NATIONAL

### 12 Industrial Smart Cities in 10 States

THE PROJECTS	
<ul style="list-style-type: none"><li>▶ <b>5 along Amritsar-Kolkata industrial corridor</b><ul style="list-style-type: none"><li>■ Rajpura-Patiala (Punjab)</li><li>■ Khurpia (Uttarakhand)</li><li>■ Agra (Uttar Pradesh)</li><li>■ Prayagraj (Uttar Pradesh)</li><li>■ Gaya (Bihar)</li></ul></li></ul>	<ul style="list-style-type: none"><li>▶ <b>1 each along industrial corridors of Vizag-Chennai; Hyderabad-Bengaluru; Hyderabad-Nagpur; and Chennai-Bengaluru</b><ul style="list-style-type: none"><li>■ Koppaerthy (Andhra Pradesh)</li><li>■ Orvakal (Andhra Pradesh)</li><li>■ Zaheerabad (Telangana)</li><li>■ Palakkad (Kerala)</li></ul></li></ul>
<ul style="list-style-type: none"><li>▶ <b>2 along Delhi-Mumbai industrial corridor</b><ul style="list-style-type: none"><li>■ Jodhpur-Pali (Rajasthan)</li><li>■ Dighi (Maharashtra)</li></ul></li></ul>	<ul style="list-style-type: none"><li>▶ <b>The name of one city was not revealed as the 'Model Code of Conduct' is in force in poll-bound states</b></li></ul>

- ❖ The centre approved the setting up of 12 industrial smart cities under the National Industrial Corridor Development Programme (NICDP).
- ❖ The project spans across 10 states and is strategically planned along six major corridors.



- ❖ NICDP is expected to generate significant employment opportunities, with an estimated 1 million direct jobs and up to 3 million indirect jobs being created through planned industrialization.

### **National Medical Register Portal 2024**

- ❖ The Health Ministry recently launched National Medical Register (NMR) Portal.
- ❖ All MBBS doctors who are already registered on the Indian Medical Register (IMR) must register again on the NMR.
- ❖ NMR will be a comprehensive dynamic database for all allopathic (MBBS) registered doctors in India.
- ❖ The uniqueness of NMR is that it is linked with the Aadhaar ID of the doctors, which ensures the individual's authenticity.
- ❖ After the NMC verification, a unique NMR ID would be issued.

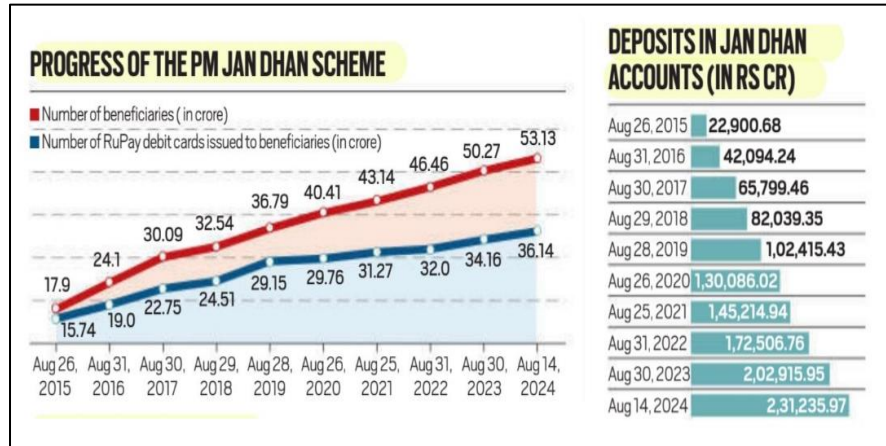
### **National Medical Register (NMR)**

- **Section 31(1) of the NMC Act, 2019 provides that the EMRB shall maintain a National Register containing the name, address, and all recognized qualifications possessed by a licensed medical practitioner.**
- **This will be a dynamic database for all allopathic registered doctors in India. Some data will be visible to the public, and others will only be visible to EMRB in NMC, SMC, NBE, Medical Institutions, including INIs and RMPs, as per the requirements.**

### **10 Years of PMJDY**

- ❖ The year 2024 marks the tenth year of the Pradhan Mantri Jan-Dhan Yojana (PMJDY).
- ❖ Under the scheme, a basic savings bank deposit (BSBD) account can be opened in any bank branch or Business Correspondent (Bank Mitra) outlet.
- ❖ As of Aug 14, 2024, there were over 53.14 crore beneficiaries.
- ❖ 66.6% of these accounts are in rural and semi-urban areas, with women accounting for 55.6% of all accounts.

- ❖ These accounts now hold deposits totalling Rs 2.31 lakh crore, reflecting a 15-fold rise in eight years.
- ❖ Around 8.4% of accounts with zero balances and approximately 20% of accounts being inactive.



## SPICED Scheme

The Spices Board of India under the Ministry of Commerce and Industry (MoCI) has launched the **SPICED (Sustainability in Spice Sector through Progressive, Innovative, and Collaborative Interventions for Export Development)** scheme to improve the spices sector. The scheme is launched with an **outlay of ₹422.3 crore.**

National

### SPICED Scheme by Spices Board

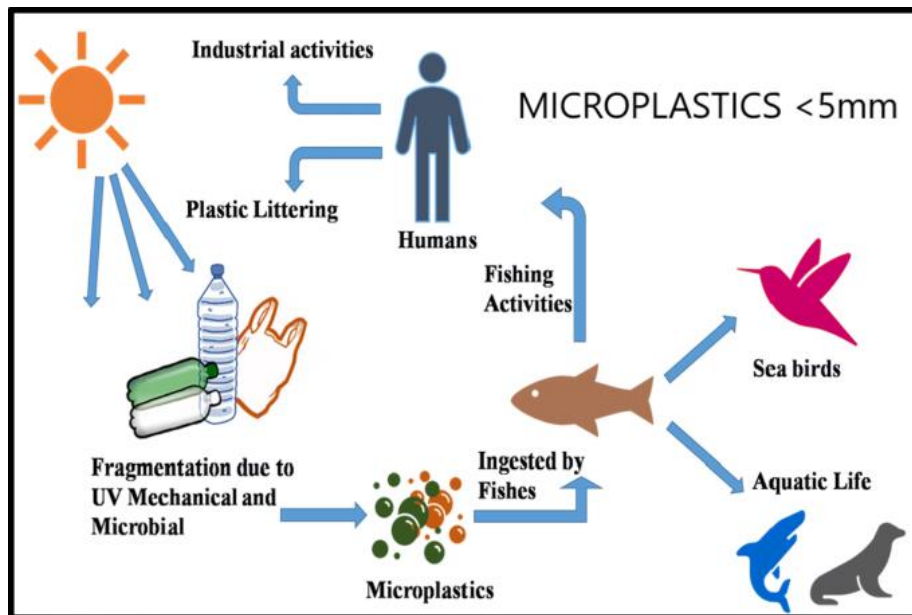
- ❖ The Spices Board of India has launched this transformative scheme.
- ❖ It aimed at significantly enhancing the export of spices and value-added spice products.
- ❖ It also focused on improving the productivity of cardamom and upgrading the post-harvest quality of spices for exports.

- ❖ SPICED stands for “Sustainability in Spice Sector through Progressive, Innovative and Collaborative Interventions for Export Development.”

## SCIENCE AND TECHNOLOGY

### Microplastics in Human Brains

- ❖ For the first time, researchers found microplastics in human brains.
- ❖ The researchers also found the number of plastics in brain samples increased by about 50% between 2016 and 2024.
- ❖ Microplastics typically enter the body through contaminated food and water.
- ❖ This can disrupt the gut microbiome (the community of microbes in your gut) and cause inflammation.
- ❖ This leads to effects on the whole body via the immune system and the complex, two-way communication system
- ❖ Microplastics are smaller than five millimetres.
- ❖ This makes some too small to be seen with the naked eye.
- ❖ They have been reported in many drinking water sources and everyday food items.



### SLIM Moon Mission – Japan

- ❖ Japan’s space agency, JAXA, has announced the end of its lunar lander operation after losing communication with the uncrewed spacecraft.

- ❖ Smart Lander for Investigating Moon (SLIM) or the "Moon Sniper" as it has been nicknamed for its landing precision.
- ❖ It landed on the lunar surface eight months ago.
- ❖ With this, Japan became the fifth nation to achieve a soft landing on the moon.
- ❖ However, SLIM landed on the lunar surface at a wonky angle, so its solar panels were left facing the wrong way.
- ❖ Once the sun's angle shifted, the SLIM lander came back to life for two days.
- ❖ At that time, it carried out scientific observations of the lunar crater with a high-spec camera.



## **PERSONALITIES, AWARDS, AND EVENTS**

### **National Teachers' Award 2024**

- ❖ President Droupadi Murmu will honour 50 educators with the National Teachers Award 2024.
- ❖ It aims to recognise and celebrate the remarkable contributions of educators who have made significant impacts on their students' lives and the broader educational landscape in India.
- ❖ R.S. Muralidharan, a private school teacher from Madurai, was selected as one of the recipients for the National Teachers' Award.





❖ R. Gopinathan from Gudiyatham is the other recipient from Tamil Nadu.



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