

September - 15

## TNPSC BITS

- ❖ TN State government has reconstituted the Tamil Nadu Street Vending and Shops and Establishments Workers' Welfare Board with the Minister for Labour Welfare and Skill Development as its ex-officio chairperson.
- ❖ Germany have won their first-ever FIBA Basketball World Cup title by beating Serbia.

## TAMIL NADU

### Rare terracotta pot in Vembakottai



- ❖ The state archaeology department's excavations in Vembakottai, Virudhunagar are in the second phase.
- ❖ A terracotta pot, in which a liquid had been boiled till it overflowed, and a lamp were found in the site.
- ❖ Four burial urns, including two which were intact, were found in a Sivasangupatti village four kilometres from the excavation site.
- ❖ More than 3,000 artefacts were unearthed in the first phase.

- ❖ It was including beads, toys, pots made of terracotta, and thousands of shell bangles.

### **The Swasth AI**



- ❖ Solinas Integrity, a climate tech startup has launched a robot that can check for leaks in sewer and water pipes.
- ❖ The Swasth AI and endobot sewer is aimed at revolutionising the country's urban sewage infrastructure.
- ❖ The endobot is in addition to the existing pipeline inspection robots the company has developed.
- ❖ Swasth AI's cloud-based system helps maintain and manage the entire distribution network in one accessible interface.

### **'Startup Thamizha' reality show**



- ❖ Tamil Nadu Startup and Innovation Mission (Startup TN) is launching 'Startup Thamizha'- a Tamil startup reality show.

- ❖ It aims to create a culture of entrepreneurship among the state's youth and support innovations on a larger platform.
- ❖ Globally and at the national level, shows like the Shark Tank have raised the awareness around startup ecosystem and brought the concept into popular culture.
- ❖ To be structured as a reality television show, Startup Tamizha will connect selected startups with active investors while creating awareness about startups in the state.

### Committee on Vishwakarma scheme

- ❖ The Tamil Nadu government has constituted a four-member committee to study the Union government's Vishwakarma scheme.
- ❖ It will study, is it would be detrimental to educational and social mobility of artisans and confine them to their traditional caste-based occupations.
- ❖ J. Jeyaranjan, Vice Chairman, State Planning Commission (SPC), will be the Chairman of the committee.



The infographic is divided into two main sections, each with a 'Cabinet Decision 16 August 2023' stamp. The left section provides an overview of the scheme, while the right section lists the trades covered.

**PM Vishwakarma**  
Central Sector Scheme to support traditional artisans and craftspeople of rural and urban India

- Financial outlay of **Rs.13,000 crore**
- **Eighteen traditional trades** to be covered in the first instance
- **Artisans and craftspeople** to be provided recognition through PM Vishwakarma certificate and ID card
- Credit Support upto **Rs.1 lakh** (First Tranche) and **Rs.2 lakh** (Second Tranche) with a concessional interest rate of **5%**.
- Scheme to provide **Skill Upgradation, Toolkit Incentive, incentive** for Digital Transactions and Marketing Support.

**PM Vishwakarma**  
Eighteen traditional trades will be covered in the first instance under PM Vishwakarma

- Carpenter (Suthar)
- Boat Maker
- Armourer
- Blacksmith (Lohar)
- Hammer and Tool Kit Maker
- Locksmith
- Goldsmith (Sonar)
- Potter (Kumhaar)
- Sculptor (Maartikar, stone carver), Stone breaker
- Cobbler(Charmkar)/ Shoemith/Footwear artisan
- Mason (Rajmistri)
- Basket/Mat/ Broom Maker/Cair Weaver
- Doll & amp; Toy Maker (Traditional)
- Barber (Naai)
- Garland maker (Malakaar)
- Washerman (Dhobi)
- Tailor (Darzi)
- Fishing Net Maker

## NATIONAL

### Gifts to G20 Leaders

- ❖ Heads of state and leaders representing their countries at the G20 summit were also given a special hamper by Prime Minister.
- ❖ The hamper consisted of handicrafts and products reflecting India's rich tradition and depth of craftsmanship.

- ❖ It contains
  - Sheeshamwood Sandook with Brass Patti: This Sandook (treasure chest) is hand-crafted using Sheesham (Indian Rosewood).
  - Sheeshamwood Sandook with Brass Patti
  - Saffron from Kashmir: Saffron ('Zafran' in Persian, 'Kesar' in Hindi) is one of the most expensive spices in the world.
  - Pekoe Darjeeling and Nilgiri Tea:
  - Araku Coffee
  - Sundarbans Multiflora Mangrove Honey
  - Kashmiri Pashmina: 'Pashm' refers to the raw unspun wool of the Changthangi goat (a Cashmere goat) found at a height of 14,000 feet above sea level.
  - Zighrana Ittar: 'Ittar' (meaning 'perfume') is an essential oil derived from botanical sources.
  - Khadi Scarf
  - A coin box with commemorative stamps and coins marking India's G20 Presidency



## ECONOMY

### Incremental cash reserve ratio

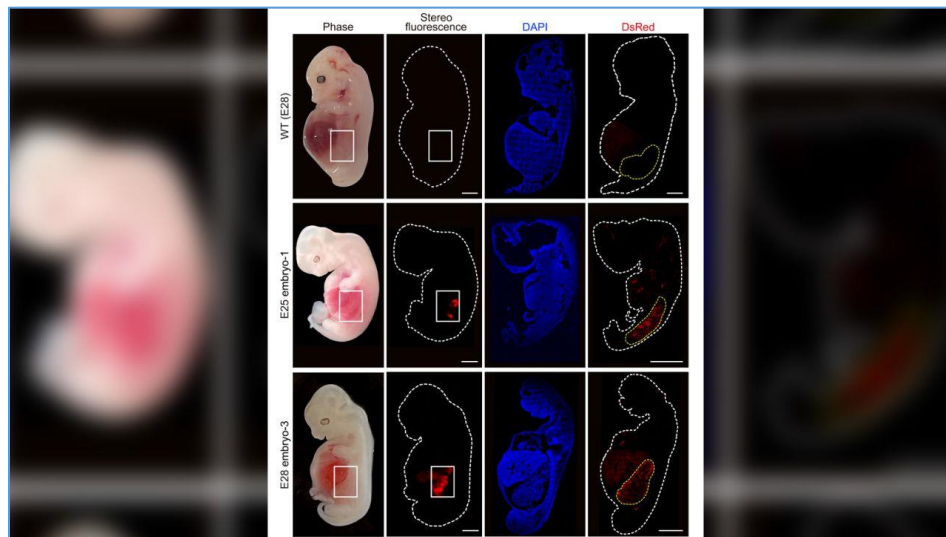
- ❖ RBI announced is discontinuing the incremental cash reserve ratio (I-CRR) in a phased manner.
- ❖ RBI released 25% of the I-CRR maintained on September 9 and another 25% on September 23.
- ❖ The remaining 50% of the I-CRR maintained will be released on October 7.

- ❖ It aims to release I-CRR funds gradually to avoid shocks to system liquidity and ensure orderly money market functioning.
- ❖ The Cash Reserve Ratio (CRR) will remain at 4.5%.
- ❖ The CRR is a mandatory reserve amount that banks must maintain with the RBI.
- ❖ The I-CRR was introduced to absorb excess liquidity in the banking system, primarily caused by factors like the return of Rs 2,000 notes.



## SCIENCE AND TECHNOLOGY

### Human Kidneys inside Pig Embryos



- ❖ Scientists have grown kidneys that are made up of more than 50 per cent human cells and implanted them in pigs for up to 28 days.

- ❖ This marks the first time a “humanised” organ with both animal and human cells was grown inside another species.
- ❖ The research brings up hopes of generating human organs for transplants inside pigs.

## ENVIRONMENT

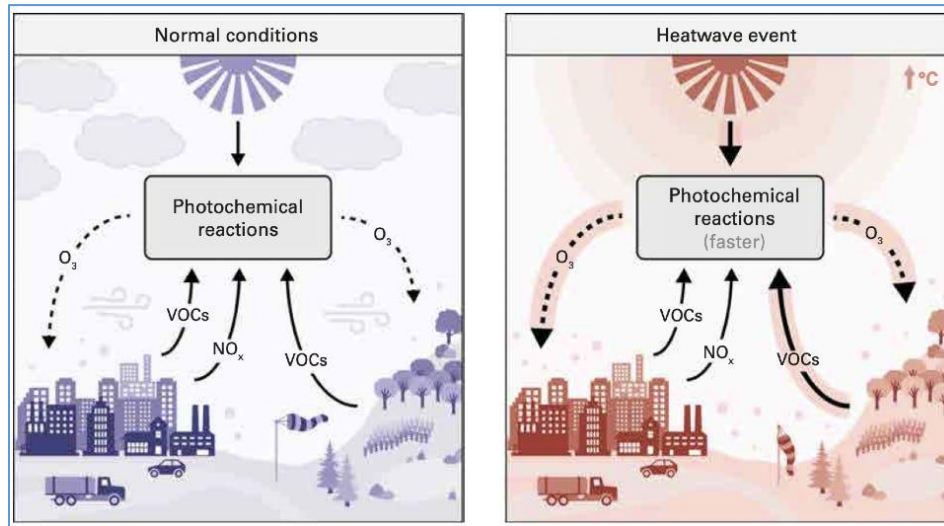
### White sambar deer in Cauvery Wildlife Sanctuary



- ❖ Researchers discovered 'white' sambar in Cauvery wildlife sanctuary.
- ❖ The presence of a leucistic sambar has been documented in the Sangama range of Cauvery Wildlife Sanctuary.
- ❖ This is the first recorded photographic record of a white form of sambar from this landscape.
- ❖ leucism is a condition in which the pigmentation of an animal's skin is missing, causing white or pale skin.
- ❖ This condition can occur naturally from birth due to a phenotype (a trait of any living being) that may have formed from a defect in the animal's development.
- ❖ It is different from albinism which is a condition that arises due to a lack of melatonin in the animal's skin.
- ❖ But the animal has pink or reddish eyes.

- ❖ But in leucism the animal lacks the pink eyes.
- ❖ White form of sambar deer was previously recorded in Bandipur Tiger Reserve in 2014.

## 2023 WMO Air Quality and Climate Bulletin



- ❖ WMO's recent report highlights the link between climate change, heatwaves, wildfires, and rising air pollution, including ozone.
- ❖ Climate change is increasing the frequency and intensity of heatwaves, which, in turn, raise the risk and severity of wildfires.
- ❖ The smoke from these wildfires contains pollutants that negatively impact air quality, health, ecosystems, and crops.
- ❖ Heatwaves exacerbate air quality issues, leading to the production of ozone and particulate matter.
- ❖ The combination of high temperatures and aerosol levels affected human health and agriculture globally.
- ❖ High significant crop losses reported in India and China.
- ❖ WMO emphasizes the interconnectedness of climate change and air quality, calling for integrated solutions to address both challenges.

## SPORTS

### US open grand slam

- ❖ Novak Djokovic annexes his 4<sup>th</sup> US Open title for record 24<sup>th</sup> Grand Slam.

- ❖ He draws level with Australia's Margaret Court's record for most Grand Slam singles titles in history.
- ❖ The 19-year-old Coco Gauff, won the U.S. Open, becoming the youngest American women to win a Grand Slam event.
- ❖ Earlier the Serena Williams won the same event at age 17, in 1999.



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