

July - 26

## TNPSC BITS

- ❖ Vice President of India, M Venkaiah Naidu has released a book titled 'Palleku Pattabhishekam' authored by former MP Yalamanchili Sivaji.
  - This book is based on rural India and agriculture.
- ❖ Filmmaker Rakeysh Omprakash Mehra has announced his autobiography, "The Stranger in The Mirror".
  - He has co-written the book with noted author Reeta Ramamurthy Gupta.
- ❖ The Indian Navy has signed a Memorandum of Understanding (MoU) with Kotak Mahindra for salary accounts of all its personnel – both serving and retired.
- ❖ The energy and environment ministers from the Group of 20 countries held talks at Naples in Italy under the Italian Leadership.
- ❖ The Union Cabinet has approved the establishment of an Integrated Multi-purpose Infrastructure Development Corporation for the Union Territory of Ladakh.
  - The corporation will work for industry, tourism, transport and marketing of local products and handicrafts.

## NATIONAL

### Dairy Investment Accelerator





- ❖ The Government of India's Department of Animal Husbandry & Dairying (DAHD) has setup this cell.
- ❖ This has been set up with a view of providing dedicated focus towards the promotion and facilitation of investments in dairy sector of the country.

### **Project CAVACH**

- ❖ The NSE Foundation, the subsidiary of National Stock Exchange of India Limited, has launched this innovative programme.
- ❖ It will unite the efforts of grass root level partners and the local district administration to facilitate increased vaccination in remote 'aspirational' districts of India.
- ❖ It includes Nandurbar and Osmanabad in Maharashtra, Karauli in Rajasthan, Ramanatha puram in Tamil Nadu and Kiphire in Nagaland.
- ❖ 'Cavach' stands for COVID-19 and Vaccination Assistance Campaign for Health.

## **INTERNATIONAL**

### **Naval exercise with United Kingdom**

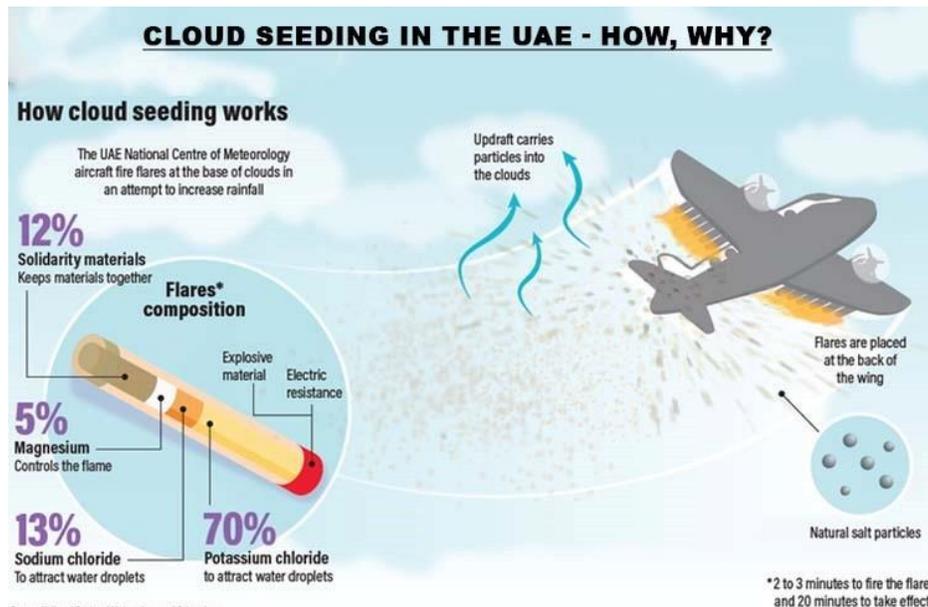
- ❖ For the first time, the United Kingdom's Carrier Strike Group (CSG) 2021 recently had participated in the maritime exercises in the Bay of Bengal with the Indian Navy.
- ❖ The CAG group was led by the HMS Queen Elizabeth.
- ❖ The HMS Queen Elizabeth carrier is the largest surface vessel to have been ever constructed in the United Kingdom.
- ❖ It is said to be taller than the famous Niagara Falls.

### **Vaccine production**

- ❖ Five member states of the World Trade Organisation (WTO) alone will account for three-quarters of the entire global output of COVID-19 vaccines this year.
- ❖ They are China, India, Germany, the United States, and France.
- ❖ The WTO held that the discriminatory access to vaccines is a root cause of the unequal recovery of the global economy.

## Cloud seeding - UAE

- ❖ The United Arab Emirates is one of the first countries in the Persian Gulf region to use cloud seeding technology.
- ❖ It is now testing a new method that has drones fly into clouds to give them an electric shock to trigger rain production
- ❖ Cloud seeding is a kind of a weather modification technology to create artificial rainfall.
- ❖ It was pioneered by atmospheric scientist Bernard Vonnegut.
- ❖ It works only when there are enough pre-existing clouds in the atmosphere.
- ❖ These 'seeds' of rain can be the iodides of silver or potassium, dry ice (solid carbon dioxide), or liquid propane.
- ❖ The seeds can be delivered by plane or simply by spraying from the ground.



## SCIENCE AND TECHNOLOGY

### MIG-29 fighter jets

- ❖ The Indian Air Force received approval from the defence ministry to procure 21 MiG-29 fighter jets besides 12 Sukhoi MK1 from Russia
- ❖ Russia will supply 21 MiG-29 fighters to India.
- ❖ Designed by the Soviet Union, Mikoyan MiG-29 is a twin-engine jet fighter aircraft.
- ❖ This aircraft is equipped with air-to-surface missiles.



### **Anti-tank guided missile**

- ❖ A guided missile named “Man-Portable Anti-Tank Guided Missile (MPATGM) has been indigenously developed by India’s Defence Research & Development Organisation (DRDO)
- ❖ This man-portable missile is launched using a tripod that has been designed 2.5 km maximum range with a launch weight below 15 Kg.
- ❖ The missile has been fitted with state-of-the-art Infrared Imaging Seeker plus advanced avionics.



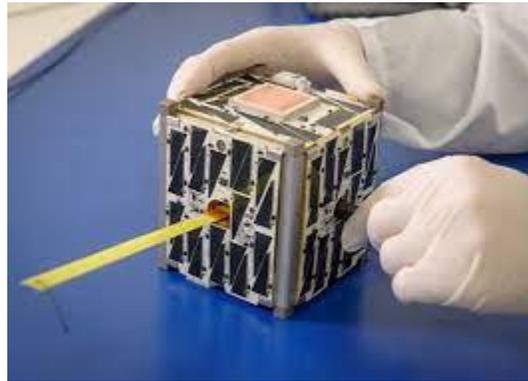
**DRDO successfully launched  
MPATGM missile**

**Self-reliant India | Man-Portable  
Anti-Tank Guided Missile**

### **Near-Earth Asteroid Scout (NEA Scout)**

- ❖ NASA has announced its next new spacecraft.
- ❖ It is a small spacecraft which is not bigger than a big shoebox.
- ❖ It is also known as Cubesat.

- ❖ Its primary mission is to collect data from a near-Earth asteroid.
- ❖ It is among one of several payloads that will hitch a ride on Artemis I.
- ❖ This will be America's first interplanetary mission that will be using special solar sail propulsion.
- ❖ This spacecraft will take around two years to reach the targeted asteroid and
- ❖ It will fly nearly 93 million miles away from the Earth to reach that asteroid.
- ❖ Artemis I is a crew-less test flight of the SLS rocket and Orion spacecraft.
- ❖ Under this programme, the NASA space agency has aimed to land the first woman on the Moon in the year 2024.



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

### **Gira Sarabhai**



- ❖ Gira Sarabhai co-founder of the National Institute of Design has passed away.
- ❖ Sarabhai was the daughter of industrialist Ambalal Sarabhai & sister of Dr Vikram Sarabhai.

- ❖ Vikram Sarabhai is internationally regarded as the Father of the Indian Space Program.

## SPORTS

### 2032 Summer Olympics

- ❖ Australia's Brisbane will be the host of the 2032 Olympics and Paralympics.
- ❖ Brisbane becomes the third Australian city to host the Games after Sydney in 2000 and Melbourne in 1956.
- ❖ Australia becomes the second country after the United States, to stage summer Olympic Games in three different cities.
- ❖ Brisbane was also the host of the 2018 Commonwealth Games.
- ❖ Paris of France will host the 2024 summer Olympics.
- ❖ The 2028 Summer Olympics will be hosted by Los Angeles of USA.



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### Brisbane 2032

Olympic and Paralympic  
Games Host

*Queensland*

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### Rubina Francis

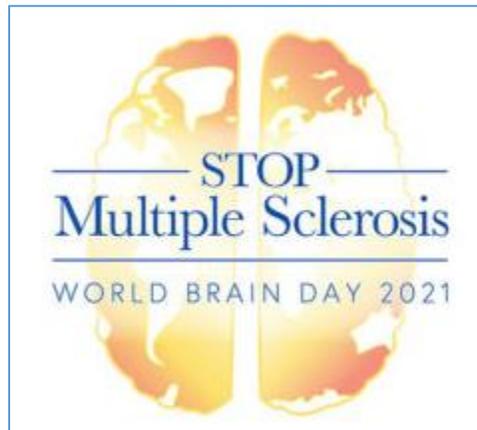
- ❖ Madhya Pradesh shooter, Rubina Francis has set a world record at the ongoing Para Sport Cup in Peru.
- ❖ She has won gold in the 10-metre air pistol para-event for women.
- ❖ This win also secured her the quota for India at the Tokyo Summer Paralympics 2020.



## IMPORTANT DAYS

### **World Brain Day - July 22**

- ❖ The World Federation of Neurology (WFN) celebrates this day every year since 2014.
- ❖ The theme for this year is “Stop Multiple Sclerosis”.



### **World Drowning Prevention Day – July 25**

- ❖ It was declared through the April 2021 UN General Assembly Resolution “Global drowning prevention”.
- ❖ The resolution was an initiative of both Ireland and Bangladesh.
- ❖ The drowning death rates are the highest in the WHO Western Pacific Region.

- ❖ Over half of the world's drowning occurs in the WHO Western Pacific Region and WHO South-East Asia Region.

