

October - 24

## NATIONAL

### Statue of Jayaprakash Narayan

- ❖ Union Home Minister Amit Shah unveils 14 feet high statue of Lok Nayak Jayaprakash Narayan at Sitabdiara in Saran district, Bihar.
- ❖ Jayaprakash Narayan is popularly known as JP or Lok Nayak.
- ❖ He was an independent activist, theorist, socialist and political leader.
- ❖ He was awarded Bharat Ratna Award in 1999 (Posthumously).



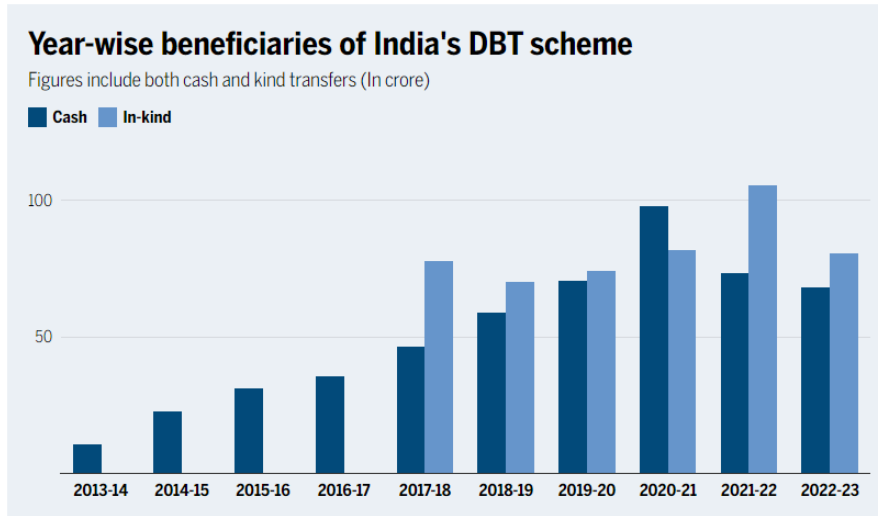
### Ethanol subsidy scheme

- ❖ The Centre has extended the timeline for disbursement of loans up to March 31 under the ethanol blending programme interest subsidy scheme.
- ❖ It was notified first in 2018.
- ❖ It aims to facilitate entrepreneurs to complete their projects while availing of government support.

### Logistical marvel

- ❖ The International Monetary Fund (IMF) has called the deployment of India's direct benefit transfer (DBT) scheme as a 'logistical marvel'.
- ❖ India has enrolled programmes which specifically target women, elderly and farmers.

- ❖ The backbone of the entire cash-transfer programme, Aadhar, was also hailed, as the director praised India's unique identification system.



### **Mumbai airport switch to green energy**



- ❖ Mumbai's Chhatrapati Shivaji Maharaj International Airport has entirely switched to green sources for its energy consumption needs.
- ❖ This was making it one of India's 100 per cent sustainable airport.

- ❖ This was the first in India to launch hybrid technology that solely runs on green energy since April 2022.
- ❖ It is the part of the airport's efforts that reduces its carbon footprint and further propels its journey towards 'Net Zero' emissions.

### **Offshore Security Exercise - 'Prasthan'**

- ❖ 'Prasthan', an Offshore Security Exercise, was conducted by the Eastern Naval Command in the Offshore Development Area off Kakinada, Andhra Pradesh.
- ❖ It aims to integrate the efforts of all maritime stakeholders involved in offshore defence.
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### **Exercise PowerEX 2022**



**About the Exercise**

- The main objective of the exercise was to recognize, **analyse & respond** to Cyber Incident in IT & OT Systems.
- The theme of the exercise was "**Defending Cyber** induced disruption in IT & OT infrastructure".

**CERT-In**

- The Indian Computer Emergency Response Team (CERT-In) was set up in 2004 under **Section 70B** of the Information Technology Act, 2000.
- It **functions** under the aegis of the Union Ministry of Electronics and Information Technology (MeitY).

The infographic features a blue background with a glowing padlock and a key. The padlock has a glowing '1' on it, and the key has a glowing '2' on it. The text is white and yellow, with some words in bold.

- ❖ CERT-In and Power-CSIRTs recently organized the cybersecurity exercise called PowerEX.
- ❖ The CERT-In hosted the cybersecurity exercise on its simulation platform.
- ❖ The objective of the recently concluded cybersecurity exercise is to "Recognize, Analyse & Respond to Cyber Incident in IT & OT Systems".

- ❖ Theme of the exercise is “Defending Cyber induced disruption in IT & OT infrastructure”.
- ❖ It helped officials working in power sector utilities to learn, practice and respond to the cyber threats.

### **Conference of Interaction & Confidence Building Measures**



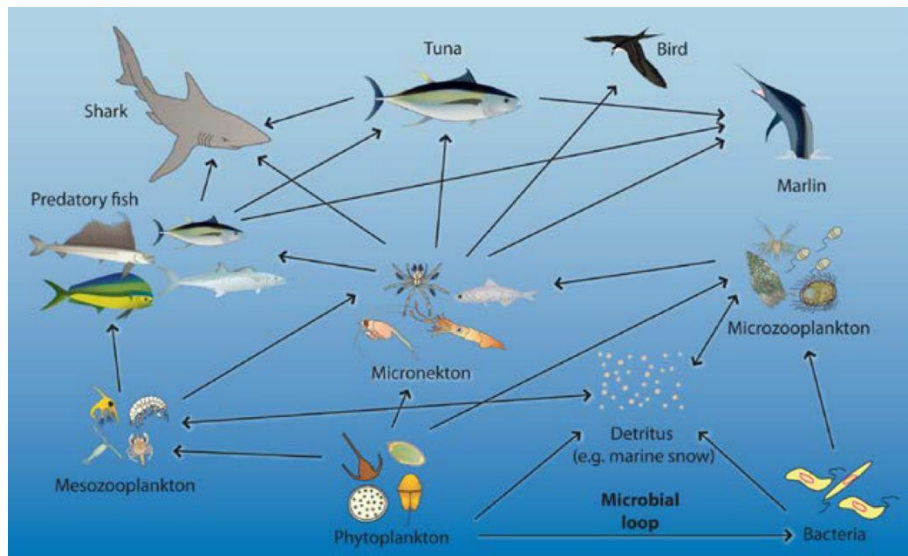
- ❖ The 6<sup>th</sup> Summit of Conference on Interaction and Confidence Building Measures in Asia (CICA) held in Astana, Kazakhstan.
- ❖ India is one of the founding members of Conference on Interaction and Confidence Building Measures in Asia.
- ❖ The CICA is an intergovernmental forum aimed at strengthening regional cooperation and ensuring peace, security, and stability in Asia.
- ❖ The idea of creating the organization was first voiced by Kazakhstan’s First President Nursultan Nazarbayev in 1992
- ❖ The first CICA summit was held in June of 2002.
- ❖ CICA members include 27 Asian countries, nine observer states, and five international organizations.
- ❖ The CICA Secretariat has been located in Almaty (Kazakhstan) since June 2006.

## **INTERNATIONAL**

### **The Trapping Zone**

- ❖ Recently, Scientists discovered ‘The Trapping Zone’ in Maldives.

- ❖ This Trapping Zone is a new ecosystem, discovered some 500 meters beneath the surface.
- ❖ It is being referred to as ‘as oasis of oceanic life’.
- ❖ The scientists spotted the ecosystem using the camera on the submersible named Omega Seamaster II.
- ❖ The survey revealed the presence of several mega-faunal predators like sharks and other large marine fishes that feed on micro-nekton.
- ❖ Notably, this is the first instance of such a high diversity of shark species being spotted in the deep sea around Maldives.



## SCIENCE AND TECHNOLOGY

### **Kuafu-1 telescope**

- ❖ The Advanced Space-based Solar Observatory (ASO-S) was launched aboard the Long March-2D carrier rocket by China.
- ❖ It is nicknamed Kuafu-1, after a mythical giant that sought to capture and tame the sun.
- ❖ It will enable scientists to capture and study the previously unprecedented images of the Sun during the “solar maximum”.
- ❖ The solar maximum is expected to occur around the year 2025.
- ❖ The ASO-S is China’s first full-scale satellite dedicated to researching the Sun.
- ❖ It is the world’s first solar telescope capable of simultaneously monitoring both solar flares and coronal mass ejections.
- ❖ This mission is similar to NASA’s Parker Solar Probe and ESA’s Solar Orbiter.

- ❖ India is planning to launch a similar solar mission in 2023 called Aditya-L1 to research the solar atmosphere.

**CHINA LAUNCHES NEW SOLAR PROBE KUAFU-1**

Sunday, Oct 7 2022  
Taiyuan Satellite Launch Center

**KUAFU-1 (ASO-S)**

The Advanced Space-based Solar Observatory (ASO-S), or Kuafua-1 is China's 1st comprehensive solar probe, also the world's first near-Earth satellite telescope to simultaneously monitor solar flares, coronal mass ejections and the sun's magnetic field.

**LAUNCH VEHICLE**

A CZ-2D (LongMarch-2D) carrier rocket lifted off from northwest China's Jiuquan Satellite Launch Center at 7:43 a.m. on Sunday, sending Kuafu-1 solar probe to its designated orbit.

**KUAFU-1 KEY SPECS**

- Weight: 859 kg
- Data Transmission: 500GB per day
- Designed Lifespan: 4 yrs minimum
- Payloads:
  - Full-disk MagnetoGraph
  - Lyman-alpha Solar Telescope
  - Hard X-ray Imager

## PERSONALITIES, AWARDS, AND EVENTS

### Movie on International Space Station



- ❖ Hollywood actor Tom Cruise became first actor to film in outer space.
- ❖ The movie is being made on a massive budget and will be shooting scenes on the International Space Station.
- ❖ The team is currently working with both NASA and Elon Musk's SpaceX company to ensure smooth production.
- ❖ This would be the first Hollywood studio to film a feature film in space.

## SPORTS

### Carrom World Champion



- ❖ Rashmi Kumari from Bihar emerged the most victorious in the 8th World Carrom Championship in Langkawi, Malaysia.
- ❖ The men's title was bagged by Sandeep Dive who beat doubles partner Abdul Rahman.
- ❖ India had earlier won both the men's and women's team titles, by beating Sri Lanka and USA respectively.
- ❖ India had lost the team crown to Sri Lanka last time.

### ICC Player of the Month



- ❖ The International Cricket Council (ICC) has announced the winners of the ICC Player of the Month awards for September 2022.
- ❖ India's captain Harmanpreet Kaur is named the recipient of the ICC Women's Player of the Month award.
- ❖ Pakistan player Mohammad Rizwan claims the ICC Men's Player of the Month award.
- ❖ Harmanpreet Kaur has become India's first Women cricketer winner of the award.

## IMPORTANT DAYS

### World Trauma Day - October 17



- ❖ The day is observed with a view to prevent the increasing rate of accidents and injuries causing death and disability across the world.
- ❖ The day was created in New Delhi, India in 2011.
- ❖ This was a result of the high number of deaths caused by road accidents in the country, an estimate of over 400 people lost their lives each day to it.
- ❖ Road Traffic Accident (RTA) is the leading cause of trauma across the world.

