

## Daily Current Affairs 18.08.2022

### Important News: International

#### Moscow Conference on International Security-2022

##### Why in News:

- Moscow Conference on International Security-2022 was organized through a virtual medium.



##### key points:

- The Moscow Conference on International Security-2022 was attended by Defense Minister Rajnath Singh from the Indian side.
- Addressing the inaugural session of the Moscow Conference on International Security-2022 online, he said that the UN could lose its effectiveness and relevance without comprehensive reforms and democratizing the decision-making process.
- The conference emphasized the comprehensive reform of the UN system by India and suggested that the major powers refused to make timely changes to the UN institutions and the emerging

geopolitical reality that occurred after 1945, the economic and technological advances have been overlooked.

- In the inaugural session of the Moscow Conference on International Security-2022 by India, the Council should be made more representative of developing countries provide leadership to the whole world.
- Reflecting its commitment to the Indo-Pacific region, India stated that as a nation at the heart of the Indian Ocean, India is committed to a free, open, secure, and inclusive Indo-Pacific region and India aims to establish regional and regional developments in the Indian Ocean. Shipping is on cooperation.

**Source: All India Radio**

## **Important News: National**

### **Indian Railway Protection Force launched "Operation Yatri Suraksha"**

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#### **Why in News:**

- Operation Yatri Suraksha, an all-India campaign has been launched by the Indian Railway Protection Force (RPF).



**key points :**

- Under the Operation Yatri Suraksha initiative, several steps have been taken to provide round-the-clock security to the passengers.
- To kickstart Operation Yatri Suraksha, a month-long all-India campaign against criminals who robbed passengers was launched by RPF in July 2022.
- During the operation, 365 suspects were apprehended by the RPF, who were handed over to the concerned GRP for legal action.
- As part of the Operation Yatri Suraksha effort, station presence, CCTV surveillance, monitoring of active criminals, intelligence collecting, and criminal action, as well as train escorting to offer passengers perfect protection, A number of crucial components, including identifying "black spots," developing a workable strategy to lessen crime against passengers on trains and in crime-prone areas, and enhancing security, have been included.

Source: Indian Express

## Union Minister Jitendra Singh unveils India's first saltwater lantern

### Why in News:

- Jitendra Singh, the Union Minister of Earth Sciences, has unveiled "Roshini," the country's first saltwater lantern that uses seawater to light Light Emitting Diode (LED) lamps.



### Key Points:

- During its visit to Sagar Anveshika, a coastal research vessel run by the National Institute of Ocean Technology (NIOT) Chennai for Marine Research, the government unveiled the first lantern of its kind.
- Seawater is used as an electrolyte between specially crafted electrodes in saltwater lanterns to power the LED lights.

- The development of this technology will make life easier for the less fortunate, particularly the fishing community that lives along India's 7,500 kilometers of coastline.
- The saltwater lantern will also support Prime Minister Narendra Modi's UJALA program, which was established in 2015 to distribute LED lamps around the nation.
- In the Union Territory (UT) of Lakshadweep, three desalination facilities based on LTTD technology have been successfully developed and demonstrated on the islands of Kavaratti, Agati, and Minicoy.
- The islands of UT where the required temperature difference of roughly 15°C between sea surface water and deep-sea water is found close to the Lakshadweep beaches are appropriate for LTTD technology.

**Source: Business Standard**

## Indian flag hoisted in space on completion of 75 years of independence

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### Why in News:

- The Indian National Flag was unfurled in space at a height of more than 30 kilometers to commemorate 75 years of independence.



**Key Points:**

- Space Kids India, which describes itself as an aerospace organization that produces young scientists for the country, flew the tricolor to the edge of space on a balloon.
- The flag hoisting was part of Azadi's Amrit Mahotsav celebrations, which marked the completion of 75 years of India's independence.
- Space Kids India is a non-profit organization that "produces young scientists for the country and raises awareness among children about the importance of a borderless world."
- The organization has launched a satellite into Low Earth Orbit.
- AzadiSAT was created by 750 female students from across India to commemorate the country's 75th anniversary of independence.
- Raja Chari, an Indian American astronaut, has shared a photo of the Indian flag on the International Space Station (ISS).

**Source: Times of India**

## **Important News: Science & Tech**

### **India's first 3D-printed human cornea is developed by CCMB, IIT Hyderabad and LVPEI**

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**Why in News:**

- For the first time in India, researchers from Hyderabad have 3D printed an artificial cornea (a human cornea) and successfully implanted it in a rabbit's eye.



**Key Points:**

- Researchers from the L V Prasad Eye Institute (LVPEI), Indian Institute of Technology-Hyderabad (IIT-H), and the Center for Cellular and Molecular Biology (CCMB) have developed a 3D-printed human cornea manufactured from human donor corneal tissue.
- The (3D-Printed Human Cornea) product is fully natural, free of synthetic components, and safe for use by patients. It was produced locally with assistance from governmental and charitable groups.
- Researchers from LVPEI, IITH, and CCMB used the decellularized corneal tissue matrix and stem cells produced from human eyes to create a unique biomimetic hydrogel.
- The foundation material for the 3D-printed human cornea is this hydrogel.
- Human corneal tissue was used to create the 3D-printed human cornea, which is biocompatible, all-natural, and free of any animal ingredients.

Source: The Hindu

## Important Government Scheme

### Paalan 1000 National Campaign

#### Why in News:

- Dr. Bharti Praveen Pawar, Union Minister of State, virtually inaugurated the Parenting App, Palan 1000 National Campaign, and Early Childhood Development Conference in Mumbai.



#### Key Points:

- The cognitive development of infants in the first two years of life is the topic of the "Palan 1000 National Campaign - The Journey of the First 1000 Days."
- The Palan 1000 National Campaign seeks to improve young children's cognitive development before the age of two.
- The Palan 1000 National Campaign aims to satisfy the fundamental requirements of families by offering early years coaching to parents, families, and other caregivers.



- The objective of the program is in line with that of the National Child Health Program (RBSK), with a focus on intervention and responsive treatment in the first 1000 days.
- The Palan 1000 Parenting App will give caregivers useful suggestions for what they can do in their daily activities, assist in resolving common questions from parents, and aim our efforts toward the child's growth.
- The six guiding concepts of the Palan 1000 National Campaign are to
  - maximize love,
  - maximize talk,
  - be busy.
  - Learn about nursing relationships between mothers and their babies via movement and play,
  - reading and discussing stories, and
  - stress reduction and remaining calm.
- To reduce child mortality from 45 per 1000 live births in 2014 to 35 per 1000 live births in 2019, the Indian government moved quickly.

**Source: Livemint**