

November - 18

TNPSC BITS

- ❖ Russia has started the delivery of the S-400 missile system to India.
 - The S-400 is considered the most advanced air-defence system worldwide.
- ❖ Ten global organizations with partial funding and in-kind contributions from the insurance sector and partner institutions had launched a Global Resilience Index Initiative (GRII) at COP26.
 - GRII will provide a globally consistent model for the assessment of resilience across all sectors and geographies.

TAMIL NADU

Valimai cement

- ❖ Tamil Nadu Chief Minister M.K. Stalin launched 'Valimai' brand cement.
- ❖ It is a new cement brand from Tamil Nadu Cements Corporation Limited (TANCEM).
- ❖ The two varieties of the Valimai cement brand are priced at ₹350 and ₹365 a bag.



India's first Food Security Museum - Thanjavur

- ❖ The Food Security Museum showcases,
 - The evolution of man from nomadic hunter groups into settled agriculture procedures
 - Ancient global & indigenous grain storage methods,
 - Challenges in storage

- Journey of food grains from farm to plate through FCI.
- ❖ The museum has been co-developed by the Food Corporation of India (FCI) and Visvesvaraya Industrial & Technological Museums, Bengaluru.
- ❖ Thanjavur is the birthplace of FCI.
- ❖ The first office of FCI was inaugurated there on January 14, 1965.



Mission on the sustainable green cover in farmlands



- ❖ Chief Minister M.K. Stalin launched the Tamil Nadu Mission on Sustainable Green Cover in Farm Lands.
- ❖ Under this over 73 lakh high-value tree saplings.
- ❖ Teak, red sandal, acacia, vengai, sandal, manjal kadambu, rosewood, malai vembu, mahagony, karumaruthu and poovarasu are among the timber value species that are likely to be distributed to the farmers under this scheme.

NATIONAL

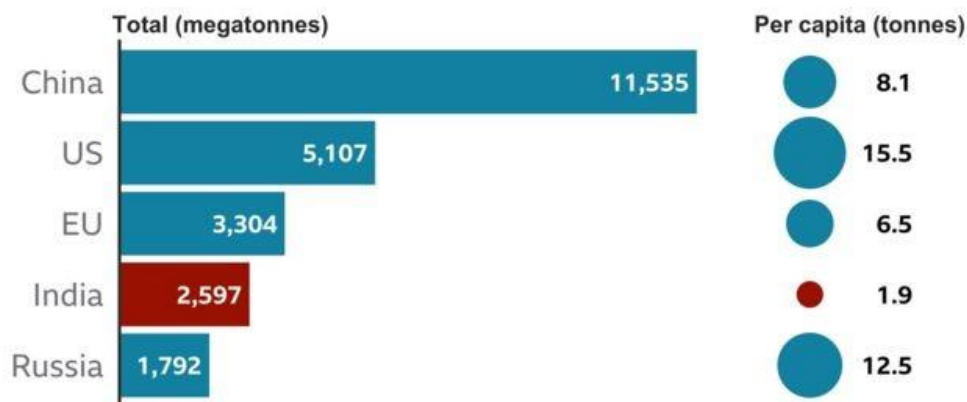
India's solar energy capacity - 45 GW

- ❖ India told the UN climate summit that its solar energy capacity stands at about 45 gigawatts after it increased 17 times in the last seven years.
- ❖ It is realized that the country represents 17 percent of the global population and its historical cumulative emissions are only 4 percent.
- ❖ India's 15 percent of total carbon dioxide emission in 2016 was removed from the atmosphere by the LULUCF (Land Use, Land-Use Change, and Forestry).

India's 5 commitments at COP26

India is the world's fourth biggest emitter of carbon dioxide

Total and per capita emissions of CO₂ per year



2019 data, EU includes UK
One megatonne = 1,000,000 tonnes

- ❖ Prime Minister Narendra Modi said that India will reach its net-zero carbon emission target by 2070 as he laid out the country's climate action plan.
- ❖ PM Modi announced to the world the five commitments or 'Amrit tatva' that India would meet as it works "very hard" to tackle climate change-related issues.
- ❖ Commitment 1 - By 2030, India will increase its non-fossil capacity to 500 gigawatts.
- ❖ Commitment 2 - By 2030, India will fulfil 50 percent of its energy requirements with renewable energy.
- ❖ Commitment 3 - India will reduce one billion tonnes of the total projected carbon emission between now and 2030.

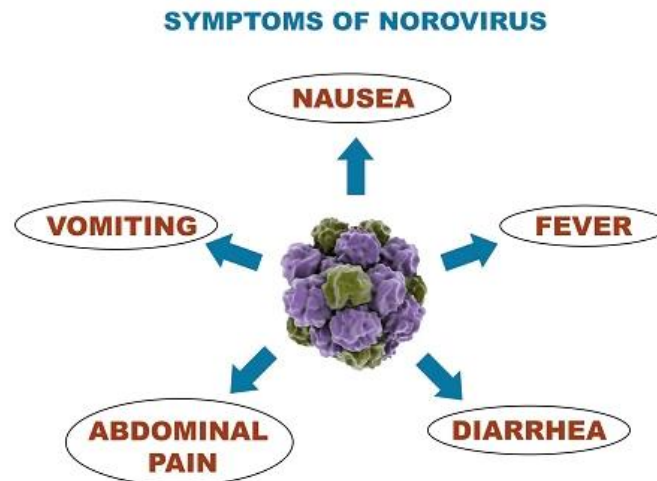
- ❖ Commitment 4 - By 2030, India will reduce its economy's carbon intensity to less than 45%.
- ❖ Commitment 5 - India will achieve the target of net zero emissions by 2070.

Integrated biorefineries - COP 26

- ❖ Collaborating through 'Mission Innovation' (MI), India launched the Integrated Biorefineries Mission.
- ❖ The mission on integrated biorefineries will be co-led by India and Netherlands.
- ❖ The focus of this Mission would be to work on replacing fossil fuel-based fuels, chemicals, and materials with bio-based alternatives.
- ❖ This could reduce these emissions, providing a renewable alternative for hard-to-abate sectors and supporting rural jobs.

Norovirus

- ❖ The first case of Norovirus was confirmed in the Wayanad district of Kerala.
- ❖ Norovirus is an animal-borne disease.
- ❖ It is transmitted through contaminated water and food.
- ❖ Norovirus is a group of viruses, causing gastrointestinal illness.



Tech NEEV@75

- ❖ The Ministry of Science & Technology inaugurated “Tech NEEV@75” as part of Azadi ka Amrit Mahotsav.

- ❖ It is a year-long celebration, highlighting the impact of Science Technology Innovation in empowering the community to create equitable inclusive economic growth.
- ❖ It is a 75-hour program.
- ❖ It also includes a compilation of 75 impactful stories on the progress of India towards Atma Nirbhar Bharat.

Purvanchal Expressway



- ❖ Prime Minister Narendra Modi has inaugurated the 341-km long Purvanchal Express in Sultanpur district, Uttar Pradesh.
- ❖ The expressway links state capital Lucknow with Ghazipur.
- ❖ The key feature of the Expressway is the 3.2 km long airstrip to enable landing and take-off of Indian Air Force fighter planes in case of emergency.
- ❖ The Purvanchal Expressway starts from village Chaudsarai in the Lucknow district and ends at Haidaria village on National Highway number 31.
- ❖ The expressway is 6-lane wide which can be expanded to 8-lane in the future.

SCIENCE AND TECHNOLOGY

Longest Partial Lunar Eclipse of The Century

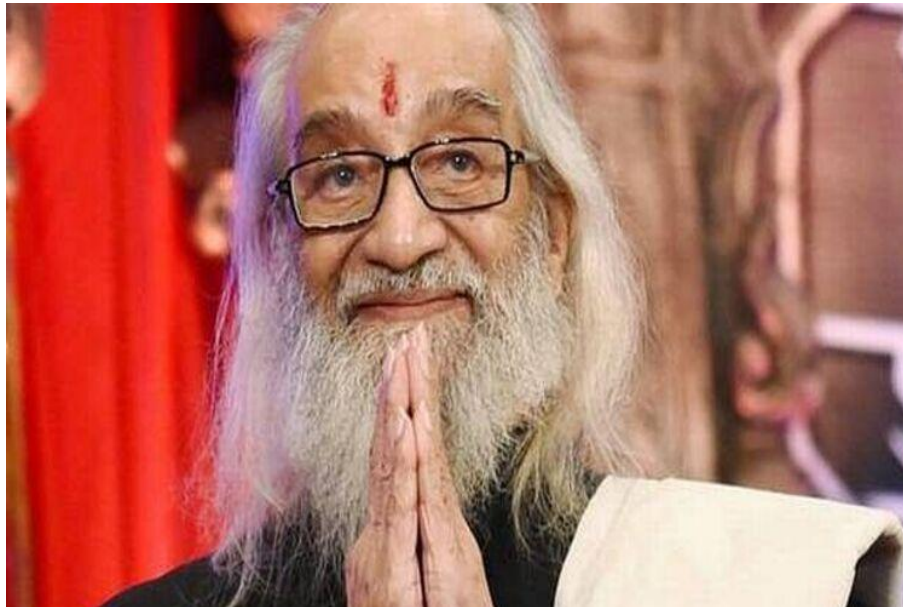
- ❖ On November 19 in the morning, several countries will witness the second lunar eclipse of 2021.
- ❖ It will be the longest Partial lunar eclipse of the century.
- ❖ 4% of the moon's diameter will be immersed in the dark umbral shadow of Earth at maximum eclipse.

- ❖ In India, a small part of Arunachal Pradesh and Assam will observe the partial eclipse.
- ❖ The end part of the eclipse will be visible from Bihar, Uttar Pradesh, and Jharkhand.



PERSONALITIES, AWARDS, AND EVENTS

Balwant Moreshwar Purandare



- ❖ He passed away at the age of 99.
- ❖ He was an eminent historian, orator, and noted author from Maharashtra.
- ❖ The author was popularly known as Babasaheb Purandare.
- ❖ Purandare wrote extensively about Maratha warrior king Chhatrapati Shivaji Maharaj.
- ❖ He had earned the moniker 'Shiv Shahir' which literally means Shivaji's bard.

- ❖ He was felicitated with India's second-highest civilian award, Padma Vibhushan in 2019.

IMPORTANT DAYS

National Press Day - November 16



- ❖ The day is observed every year to celebrate free and responsible press in India.
- ❖ On this day the Press Council of India started functioning as a moral watchdog to ensure that the press maintains high standards and is not constrained by any influence or threats.

Audit Diwas - November 16

- ❖ This year marks the first Audit Diwas.
- ❖ It is celebrated to mark the historic origin of the institution of the Comptroller and Auditor General of India (CAG).
- ❖ Currently, former Lt. Governor of UT of Jammu Kashmir G. C. Murmu is serving as CAG of India.
- ❖ He is the 14th CAG of India.
- ❖ His tenure started in August 2020.
- ❖ CAG is the Constitutional Authority in India.
- ❖ It was established in accordance with Article 148 of the Constitution of India.
- ❖ Reports of the CAG are laid before Parliament or Legislatures.



- ❖ They are being taken up for discussion by Public Accounts Committees (PACs) and Committees on Public Undertakings (COPUs).
- ❖ PACs and COPUs are special committees in the Parliament and state legislatures.

