

December - 05

TNPSC BITS

- ❖ India and Bangladesh have decided to celebrate December 6 as “Maitri Diwas” (Friendship Day).
 - 'Maitri Diwas' marks the day India recognised Bangladesh ten days before its liberation on 16 December 1971.
- ❖ Airports at Varanasi, Pune, Kolkata, and Vijaywada will be the first to roll out the facial recognition technology-based biometric boarding system.
 - The Airports Authority of India has engaged NEC Corporation Private Limited for implementing the technology as part of the DigiYatra policy.
- ❖ Pakistan said that the Afghan trucks will be allowed to carry humanitarian aid from India from the Wagah border till Torkham.
 - The Torkham border crossing is located in Pakistan’s Khyber district.
- ❖ The Olympic Truce will be observed for the Olympic and Paralympic Games Beijing 2022.
 - It will be from seven days before the start of the Olympic Games, on 4 February 2022, until seven days after the end of the Paralympic Games.

NATIONAL

40% power generation capacity from non-fossil fuel sources



- ❖ India has achieved the target of 40 percent of its installed electricity generation capacity being from non-fossil energy sources.
- ❖ At COP 21, as part of its Nationally Determined Contributions (NDCs), India had committed to achieving 40 percent of its installed electricity capacity from non-fossil energy sources by 2030.
- ❖ The country has achieved this target in November 2021 itself.
- ❖ The country's installed renewable energy (RE) capacity stands at 150.05 GW.
- ❖ Its nuclear energy-based installed electricity capacity is 6.78 GW.
- ❖ This brings the total non-fossil fuels-based installed energy capacity to 156.83 GW.
- ❖ This is 40.1 percent of the total installed electricity capacity of 390.8 GW

1817 Paika rebellion



- ❖ The 1817 Paika rebellion of Odisha is to be included as a case study in the Class 8 National Council of Educational Research and Training (NCERT) history textbook.
- ❖ The Union Culture Minister Kishan Reddy recently made this recommendation.
- ❖ Paikas were recruited since the 16th century by kings in Odisha from a variety of social groups.
- ❖ They rendered martial services in return for rent-free land (nish-kar jagirs) and titles.
- ❖ They were the traditional land-owning militia of Odisha and served as warriors.
- ❖ When armies of the East India Company overran most of Odisha in 1803, the Raja of Khurda lost his power.

- ❖ Subsequently, the prestige of the Paikas went on a decline. So, they rebelled back.
- ❖ The British set up a commission under Walter Ewer to look into the issue.

ZyCov - D



- ❖ ZyCov - D is the second indigenous vaccine next to COVAXIN.
- ❖ The unique feature of ZyCov - D is that it is a needleless vaccine.
- ❖ At first, the ZyCov - D vaccine is to be launched in seven states.
- ❖ They are Tamil Nadu, Bihar, Maharashtra, Jharkhand, Punjab, West Bengal, and Uttar Pradesh.
- ❖ The vaccine is to be administered only to persons in the age group of 12 to 19 years.
- ❖ It is a three-dose vaccine.
- ❖ It is taken on the 28th day and the 56th day of the first dose.
- ❖ The ZyCov - D showed 66.6% efficacy.
- ❖ The vaccine was developed by the Indian Pharmaceutical company called Cadila Healthcare.
- ❖ The ZyCov - D vaccine was developed on plasmid DNA.

Vaccine booster dose

- ❖ The INSACOG (Indian SARS CoV – 2 Genomics Consortium) recently suggested a COVID-19 vaccine booster dose.
- ❖ The advice is for people above 40 years of age.

- ❖ The advice comes to neutralize the Omicron risks in the country.



**INDIAN SARS-COV-2
GENOMICS CONSORTIUM
(INSACOG)**

- Jointly established by MoH&FW, DBT, CSIR, and ICMR
- To assess SARS-CoV-2 virus variants from Indian patients
- Continuous genomic surveillance linked with epidemiological surveillance and clinical correlation
- Covers entire country through 28 laboratories, 300+ sentinel sites and network of hospitals

Crumb Rubber

- ❖ The Government has decided to use Crumb Rubber Modified Bitumen in bituminous pavement courses during road construction.
- ❖ Bituminous pavements are constructed in different layers such as base course, binder course, and surface course.
- ❖ Crumb rubber is recycled rubber produced by reducing scrap tires or other rubber into uniform granules.



CRUMB RUBBER

SRESTHA Scheme

- ❖ The Government of India is to launch SRESTHA Scheme for the Scheduled Caste students.
- ❖ The scheme will provide quality residential education to the students.
- ❖ The scheme is to be implemented by the Ministry of Social Justice and Empowerment.

UN Report on Mullaperiyar Dam



- ❖ The report stated that around 93% of the world's largest dams are located in 25 nations.
- ❖ The average life expectancy of a dam is 50 years.
- ❖ The report said that the Mullaperiyar dam, built-in 1895, is situated in a landslide-prone area (seismically active area).
- ❖ If India's Mullaperiyar Dam were to fail, 3.5 million people are at risk.
- ❖ The dam shows significant structural flaws.
- ❖ Its management is a contentious issue between Kerala and the Tamil Nadu States.

INTERNATIONAL

CARAT exercise

- ❖ The US military personnel and Bangladesh Navy (BN) began the 27th annual Cooperation Afloat Readiness and Training (CARAT) maritime exercise.
- ❖ The nine-day exercise focuses on a wide range of naval capabilities.

- ❖ It includes cooperative actions that demonstrate the US and Bangladesh's capacity to work together to ensure a free and open Indo-Pacific.

SCIENCE AND TECHNOLOGY

GJ 367b



- ❖ The astronomers recently found GJ 367b.
- ❖ It is a small planet that is circling a dim red dwarf star.
- ❖ The star is 31 light-years away from the sun.
- ❖ GJ 367b is one of the lightest known exoplanets.
- ❖ The planet completes its orbit in 7.7 hours.
- ❖ Thus, it is called the Ultra Short Period Planet.

STATES

President's Colour Award

- ❖ Himachal Pradesh Police has conducted the 'President's Colour Award' ceremony at Shimla's historic Ridge Ground.

- ❖ The Governor bestowed the 'President's Colour Award' to the State Police on this occasion.
- ❖ Himachal Pradesh Police is India's eighth state police force to receive this honour.

PERSONALITIES, AWARDS, AND EVENTS

Nizamuddin Basti Project - Heritage Awards



- ❖ The UNESCO recently presented two Heritage Awards to the Nizamuddin Basti Project in Delhi.
- ❖ The project was awarded for its conservation efforts.
- ❖ It was awarded the Special Recognition for Sustainable Award and Award of Excellence.
- ❖ The Nizamuddin Basti Project is an Urban Renewal Project.
- ❖ It successfully unified the segregated zones of the seven-century old settlement of the Nizamuddin Basti.

Gita Gopinath

- ❖ The Indian American, Gita Gopinath has become the first Deputy Managing Director of International Monetary Fund.
- ❖ She is the first Indian to take up the top role in the organisation.

- ❖ The Deputy Managing Director is the second top post in IMF next to the Managing Director.

'Positive Impact On Ecos, Lives'

> This is the first time that two women are occupying the top two jobs at IMF

> Current first deputy managing director Geoffrey Okamoto will leave the fund early next year

“Over the past three years I have had opportunity to experience first-hand and be a part of hugely important work done by IMF at the intersection of rigorous economic analysis and public policy. It has been so gratifying to see the positive impact of our work on economies and lives of so many people worldwide

Gita Gopinath, CHIEF ECONOMIST AT IMF



IMPORTANT DAYS

Indian Navy Day- December 04

- ❖ Every year the Indian Navy Day is celebrated to commemorate Operation Trident.
- ❖ The operation was launched by the Indian Navy during the India-Pakistan war of 1971 to attack Karachi Harbour.
- ❖ The theme for this year is 'Indian Navy – Combat Ready, Credible and Cohesive'.

