



July - 18

TNPSC BITS

- ❖ Maharashtra government is constructing a national monument of the general Tatya Tope at Yeola in Nashik district.
- ❖ The Union Ministry of Home Affairs has banned the use of Facebook for the personnel and ex-servicemen of paramilitary forces including BSF, CRPF, NSG, ITBP.
- ❖ Indian teenager Soham Mukherjee in UAE makes Guinness World Record title in the hopping.
- ❖ Vallarpadam Terminal of Cochin Port is envisaged as first trans-shipment port of India.
- ❖ The Indian Railways will become 100 percent electrified in next 3.5 years.
- ❖ After Delhi and Maharashtra, Odisha has become the third state to provide the facility of plasma bank.
- ❖ The Union Minister of State for Defence, Shripad Naik inaugurated the conference on Aerospace and Defence Manufacturing Technologies in New Delhi under the theme of Atma nirbhar Bharat Mission.
- ❖ UNICEF India collaborates with YuWaah – UNICEF's Generation Unlimited initiative to provide digital education and skills required for employment.
- ❖ India's largest commercial shipbuilder Cochin Shipyard Ltd (CSL) has signed a contract to build the world's first fully automatic electric vessel for ASKO Maritime, Norway.

NATIONAL

API report

- ❖ The Technology Information, Forecasting and Assessment Council (TIFAC) has recently released a report on 'Active Pharmaceutical Ingredients' (API).
- ❖ Along with the report, a white paper titled 'Focused Interventions for Make in India : Post COVID 19' was also released
- ❖ The pharmaceutical industry in India is third largest in the world, in terms of volume, behind China and Italy, and fourteenth largest in terms of value.
- ❖ Active Pharmaceutical Ingredient (API) is a substance or mixture of substances contained in a medicine that is intended to cause pharmacological activity.

- ❖ TIFAC is an autonomous body under the Department of Science and Technology.

INTERNATIONAL

Srebrenica Massacre - 25th anniversary

- ❖ In July 1995, approximately 8,000 Muslims were killed in Srebrenica by the Bosnian Serb forces.
- ❖ The disintegration of Yugoslavia in 1991 led to violent inter-ethnic wars in the region
- ❖ Srebrenica is a town in Bosnia and Herzegovina in south-eastern Europe.



Azad Pattan hydel power project

- ❖ Pakistan and China have signed an agreement on this under the China Pakistan Economic Corridor (CPEC).
- ❖ It is on the Jhelum river in the Pakistan Occupied Kashmir (PoK).





Trade Route between India and Bhutan

- ❖ India and Bhutan have unanimously opened a new trade route to ease connectivity between both the countries.
- ❖ The route stretches from Pasakha in Bhutan to West Bengal's Jaigaon.

ECONOMY

Public Health Expenditure

- ❖ The Union government aims to gradually increase the public health expenditure to 2.5% of Gross Domestic Product (GDP) by 2025.
- ❖ The National Health policy 2017 recommends that the state government must spend nearly 8% of their total budget on the health sector by 2020.
- ❖ The Union Government has announced 4% health and education cess on personal income tax and corporation tax.

SCIENCE AND TECHNOLOGY

Super Capacitor

- ❖ Recently International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI) has developed a low-cost, environmentally friendly, super capacitor electrode.
- ❖ It can be used as an energy harvester storage device.
- ❖ It is derived from industrial waste cotton.
- ❖ The scientists have converted the industrial cotton waste into porous carbon fibres.
- ❖ These fibres were used as electrodes.
- ❖ The Natural seawater is explored as an alternative aqueous electrolyte.
- ❖ Supercapacitors are next generation energy storage devices.
- ❖ They have high power density, ultra-charging and long durability as compared to other conventional capacitors and lithium-ion batteries.
- ❖ The four main components of super capacitors are electrolyte, electrode, separator and current collector.

Heron UAV

- ❖ The Heron is a medium-altitude long-endurance unmanned aerial vehicle (UAV) developed by Israel.
- ❖ Indian forces are working towards inducting an armed version of the UAV.
- ❖ It is under the ambitious 'Project Cheetah' spearheaded by the Indian Air Force.

P7 Heavy Drop System

- ❖ The Defence Research and Development Organisation (DRDO) has developed P7 Heavy Drop System
- ❖ It is capable of para dropping military stores up to 7-ton weight class from IL 76 aircraft.
- ❖ The system is fully indigenous and is being manufactured by L&T.



Pneumococcal Polysaccharide Conjugate Vaccine

- ❖ The Drug Controller General of India (DCGI) approved this vaccine.
- ❖ It is the first indigenously developed vaccine of this kind.
- ❖ It was developed by Serum Institute of India.
- ❖ It helps to prevent invasive infections such as bacteremia and meningitis.
- ❖ The Indian states with highest number of pneumococcal deaths are Bihar and Uttar Pradesh.
- ❖ But the World Health Organization does not recommend the use of the vaccine in routine childhood immunization programmes

ENVIRONMENT

Gangetic Dolphin Census

- ❖ Madhya Pradesh forest department has released the latest report.
- ❖ There are just 68 dolphins left in the Chambal river sanctuary.
- ❖ It passes through three states (Madhya Pradesh, Uttar Pradesh and Rajasthan).
- ❖ It is India's national aquatic animal and is popularly known as 'Susu'
- ❖ They are distributed across seven states in India: Assam, Uttar Pradesh, Madhya Pradesh, Rajasthan, Bihar, Jharkhand and West Bengal.
- ❖ It has been declared endangered by International Union for Conservation of Nature (IUCN).

SPORTS

2022 FIFA Cup

- ❖ The International Federation of Association Football announced that the 2022 World Cup is to be held in Qatar.
- ❖ It will be the first world cup to be held in Arab World and also the first in a muslim-majority country.
- ❖ India has never participated at the FIFA World Cup.

