

December - 07

TNPSC BITS

- ❖ SCO Online Exhibition on Shared Buddhist Heritage was launched at the 19th Meeting of the Shanghai Cooperation Organisation Council of Heads of Government.
 - It is the first ever of its kind.
- ❖ The Indian skipper Virat Kohli became the fastest cricketer to score 12,000 ODI runs (in 251 innings) breaking the record held by Sachin Tendulkar.
- ❖ The Karnataka High Court ruled recently that the right of any major individual to marry the person of his/her choice is a fundamental right that is enshrined in the Constitution of India.
 - The ruling was given by a bench comprising Justices S Sujata and Sachin Shankar Magadam.
- ❖ China has begun to import rice from India for the first time in at least three decades.
 - India is the world's biggest exporter of rice and China is the biggest importer of rice.
- ❖ Singapore becomes the first country to allow the sale of cultured meat.
 - The meat is created from animal cells without slaughtering chickens.
- ❖ The 10th edition of National science film festival held at Tripura in a virtual mode.
 - It has been jointly organized by Vigyan Prasar, an autonomous agency under the Department of Science and Technology, Govt. of India and Tripura State Government.
- ❖ The Ministry of Communications noted that all fixed to mobile calls will be dialled with prefix '0' from January 15, 2021.
- ❖ The Andhra Pradesh Legislative Assembly passed the AP Gaming (Amendment) Bill 2020 banning online gaming in the state.
- ❖ The Varanasi Annapurna idol is being brought back to India after a century from Canada.

- ❖ GIFT City's regulator International Financial Services Centres Authority (IFSCA) has become an International Association of Insurance Supervisors (IAIS) member.
 - Gujarat International Finance Tec (GIFT) City is India's first operational smart city and international financial services centre.
- ❖ The Reserve Bank of India recently asked the HDFC bank to temporarily stop all its launches under its Digital 2.0 programme.

TAMIL NADU

World's oldest nanostructures

- ❖ Scientists have discovered the oldest known human-made nanomaterials in the “unique black coatings” of ancient pottery shards.
- ❖ These potteries, dated to 600 BC, were unearthed from the archeological site in Keezhadi, Tamil Nadu.
- ❖ The research was published recently in the journal Scientific Reports.
- ❖ It revealed that these coatings are made of carbon nanotubes (CNTs).
- ❖ CNTs are tubes of carbon that are a billionth of a metre in diameter.
- ❖ CNTs are tubular structures of carbon atoms arranged in an ordered manner.
- ❖ They have enabled the layer to last more than 2600 years.
- ❖ CNTs have superlative properties, including high thermal and electrical conductivity, and very high mechanical strength.
- ❖ Before this, the oldest known carbon nanostructures were found in Damascus blades at Syria from the 16th-18th century CE.



NATIONAL

2021 Republic Day Guest

- ❖ India has reportedly invited UK Prime Minister Boris Johnson to be the Chief Guest at Republic Day 2021.
- ❖ If the invitation is accepted, then he will be the first British PM to grace the Rajpath parade in 27 years.
- ❖ The last UK PM to be the chief guest at the January 26 parade was John Major in 1993.
- ❖ If the visit is confirmed, it will be the first in-person visit of any head of government to India amid the COVID-19 pandemic.
- ❖ The last head of government to visit India was Myanmar President Win Myint and US President Donald Trump in February 2020.

Indigenous Aircraft Carrier INS Vikrant

- ❖ This Indigenous Aircraft Carrier is set to be commissioned into service by end of 2021 or early 2022.
- ❖ The carrier is in the final stages of its construction at Cochin Shipyard Ltd.
- ❖ The motto of INS Vikrant is “Jayema Sam Yudhi Sprdhah”.
- ❖ It was taken from Rig Veda.

Cyclone Burevi

- ❖ It is likely to cross the shores between Pamban and Kanyakumari in South Tamil Nadu.
- ❖ The name is contributed by the Maldives.

Learning Management System (LMS)

- ❖ It was launched by the Karnataka government in digital mode.
- ❖ It will be implemented in government colleges within the state.
- ❖ It is said to be the first of its kind initiative in the country.

- ❖ It is aimed at encouraging digital learning and improving the Gross Enrolment Ration in higher education.

Ramayan Cruise Service

- ❖ A tour service on the Saryu river in Ayodhya at Uttar Pradesh will be launched.
- ❖ It will be first-ever luxury cruise service on the Saryu river (Ghagra/National Waterway).

INTERNATIONAL

Theremin – 100th year

- ❖ It is a musical instrument.
- ❖ It is considered as the world's first electronic instrument.
- ❖ It turned 100 years old in 2020.
- ❖ It was developed by Leon Theremin.
- ❖ Leon Theremin is credited to variety of discoveries from early drum machines to US airplanes.



Emergency use authorisation

- ❖ The United Kingdom became the first country to approve the widespread use of the Pfizer-BioNTech vaccine against the pandemic.
- ❖ It is a new type which is called an mRNA vaccine.



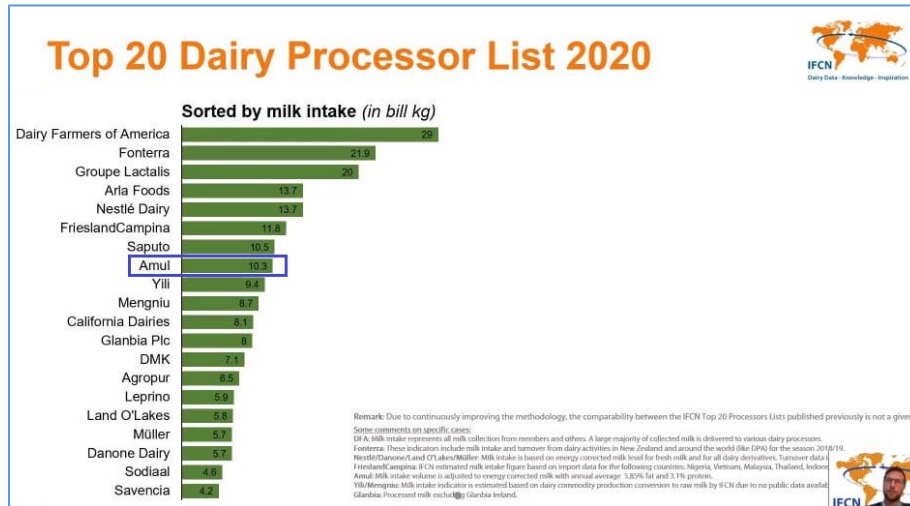
- ❖ The US drug maker Moderna is applying for emergency use authorisation for its Covid-19 vaccine.
- ❖ In India, Serum Institute of India is trialling a version of the AstraZeneca-Oxford vaccine.
- ❖ In India, the regulatory authority is the Central Drugs Standard Control Organisation (CDSCO).

World Trade Report, 2020

- ❖ The World Trade Organisation recently released this report.
- ❖ It has focused on technology and innovation policies in the current digitalizing world economy.
- ❖ It is published annually.
- ❖ The report says that Asian power houses which has India China and Japan have contributed to 40% of world research and development in 2017.
- ❖ According to the report, Brain gain effects exist in Russia and China but not in India.

IFCN's global dairy processors rankings

- ❖ The Dairy giant Amul has ranked 8th among the top 20 global dairy processors.
- ❖ It was sorted on the parameter of milk intake per annum.
- ❖ The Dairy Farmers of America topped the global list.
- ❖ It is followed by New Zealand's Fonterra, French firm Groupe Lactalis, Danish's Arla Foods and Swiss' Nestle.
- ❖ Amul is an Indian dairy cooperative society based at Anand in Gujarat.
- ❖ Amul was founded by Tribhuvandas Patel under the guidance of Sardar Vallabhbhai Patel in 1946.
- ❖ Amul spurred India's White Revolution.
- ❖ The White Revolution or Operation Flood was launched in 1970.
- ❖ It made the country the world's largest producer of milk and milk products.



SCIENCE AND TECHNOLOGY

BrahMos supersonic cruise missile

- ❖ The Indian Navy test-fired the anti-ship version of the BrahMos supersonic cruise missile in the Andaman and Nicobar Islands territory.
- ❖ A land-attack version of this missile was also successfully test-fired from the Andaman and Nicobar Islands territory earlier.
- ❖ It is the world's fastest operational system in its class.
- ❖ It can be launched from submarines, ships, aircraft and land.
- ❖ The strike range of BrahMos missile has now been enhanced to over 400 km.

STATES

Arunachal Kiwi

- ❖ Arunachal Kiwi got organic certification for Kiwi under Mission Organic Value Chain Development for North East Region (MOVCD-NER).
- ❖ It is a scheme for the north-eastern states by the Ministry of Agriculture & Farmers' Welfare under the Central government.
- ❖ Arunachal Pradesh is first in the country to get this certification for kiwi.
- ❖ These kiwis are grown Ziro Valley in the state.



Towards Organic Arunachal

Congratulations
Lower Subansiri district
on becoming first in
the country to obtain
Organic certification for
Kiwi under
Mission Organic Value Chain
Development Programme for
North East Region

