

October - 10

TNPSC BITS

- ❖ Anupriya Madhumita Lakra who hails from Maoist-affected Malkangiri district of Odisha has become the first tribal woman from Odisha state to achieve the feat of becoming a commercial pilot for an airline.
- ❖ On directions of FIFA, The Islamic Republic of Iran has allowed female spectators to football stadium for the first time in 40 years.
 - The directive came after a fan dubbed 'Blue Girl' died after setting herself on fire in fear of being jailed for dressing up as a boy to attend a match.
- ❖ A MoU has been signed between India and Bangladesh, allowing the former to withdraw 1.82 cubic feet per second (cusec) of water from Feni River.
 - The purpose of this accord is to provide a supply of drinking water to the Sabroom Town of Tripura.
- ❖ The Ministry of Skill Development and Entrepreneurship (MSDE) has announced a partnership with IIM- Bangalore to launch a new programme called 'Mahatma Gandhi National Fellowship (MGNF)'.
 - The program is aimed at skilling village youth.
- ❖ Simone Biles of USA has clinched a record-extending 15th World Gymnastics Championship title in Stuttgart, Germany. With the victory, she has become the event's most decorated woman (21 medals in total).

TAMIL NADU

Seventh Economic Census in Tamilnadu

- ❖ Governor Banwarilal Purohit has launched the 7th Economic Census in Tamil Nadu.
- ❖ The Economic Census provides information on various operational and structural economic aspects of all establishments in the state.
- ❖ It also provides valuable insights into aspects like geographical spread/clusters of economic activities, ownership pattern and persons engaged.
- ❖ According to 2013 economic census, 50.29 lakh establishments were found to be operated in the state.
- ❖ Unlike 2013, this time the census enumerating will be done with an app.
- ❖ Kancheepuram is the biggest district in terms of having the maximum number of establishments.

- ❖ More than 32,000 enumerators will be involved in the process.

Chinese Premier Zhou Enlai's 1956 Mamallapuram Visit

- ❖ The first Chinese Premier Zhou Enlai visited Mamallapuram in December 1956.
- ❖ During his visit he also toured the famed Gemini Studio and the Integral Coach Factory (ICF), Chennai
- ❖ A flourishing port till about the end of 9th century, Mamallapuram was an integral part of the 'Silk Route' and 'Spices Route' of ancient China and India respectively.



Dirtiest Railway Stations

- ❖ According to a third-party audit and cleanliness ranking of major railway stations, Tamil Nadu has 6 out of 10 dirtiest stations in India.
- ❖ They are

Station	Rank
Perungalathur	1
Guindy	2
Velacheri	4
Guduvancheri	5
Singaperumalkoil	6

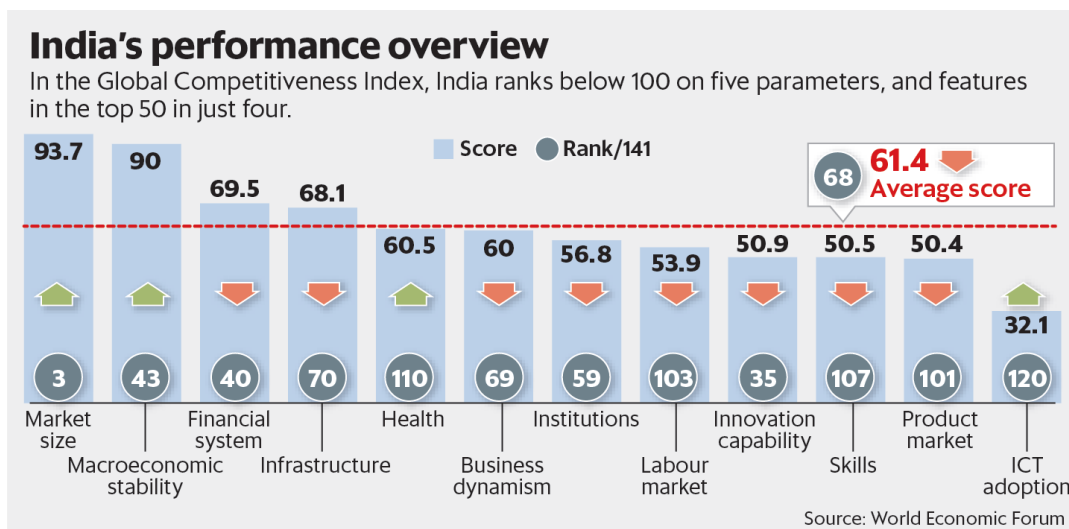
Pazhavanthangal

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NATIONAL

WEF Global Competitive Index

- ❖ India slipped sharply by 10 notches to 68th position in the Global Competitiveness Index, 2019.
- ❖ The report has been released by the World Economic Forum (WEF).
- ❖ India's score fell in eight out of 12 parameters while other countries improved their domestic business environment faster than India.
- ❖ In the overall competitiveness ranking, Singapore replaced the US to take the first position.



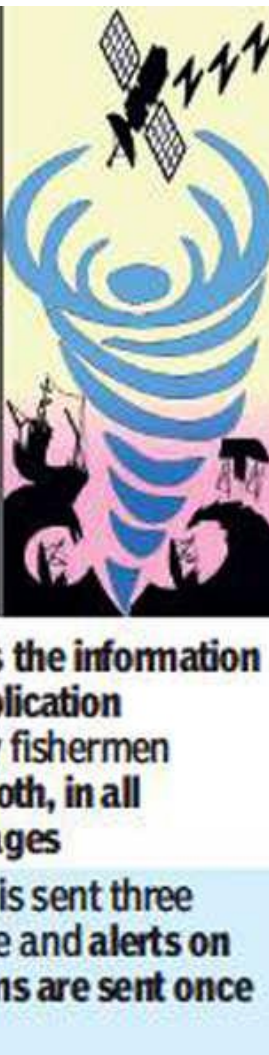
GEMINI Mariner's Device

- ❖ Union Minister for Earth Sciences launched the Gagan Enabled Mariner's Instrument for Navigation and Information (GEMINI) device.
- ❖ GEMINI device will disseminate seamless and effective dissemination of emergency information and communication on
 - Disaster warnings
 - Potential Fishing Zones (PFZ)
 - Ocean States Forecasts (OSF) to fishermen

- ❖ It will provide information related to disaster warnings when fishermen move away from the coast beyond 10 to 12 kilometres.

Satellite

- ❖ The GEMINI device receives and transfers the data received from GAGAN satellite/s to a mobile through Bluetooth communication.
 - Gagan (GPS Aided Geo Augmented Navigation) satellite system consists of three communication satellites- GSAT-8, GSAT-10 and GSAT-15.
- ❖ A mobile application developed by INCOIS decodes and displays the information in nine regional languages.

<h2>SAFE AT SEA</h2> <h3>HOW IT WORKS</h3> <ul style="list-style-type: none">➤ Gemini, a soap-box size device fitted to fishing boats, will have a receiver➤ Servers in INCOIS, Hyderabad, will receive data on various ocean parameters including sea surface temperature, currents and wind speed and direction➤ A suite of numerical models is run to generate forecast on daily weather, disaster warning for cyclone and tsunami and potential fishing zones (PFZ)➤ The forecast is transmitted to Gemini device receiver through Gagan (GPS Aided Geo Augmented Navigation) satellite system, linked to GSAT-8, GSAT-10 and GSAT-15	<p>Gagan is used by Airports Authority of India for aircraft landing and takeoff. INCOIS has tied up with AAI to use the technology for its Gemini device</p> <ul style="list-style-type: none">➤ Gemini sends the information to a mobile application downloaded by fishermen through Bluetooth, in all regional languages➤ PFZ forecast is sent three days in advance and alerts on weather systems are sent once every hour	
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Southwest Monsoon Retreat

- ❖ The India Meteorological Department has declared that Southwest monsoon had withdrawn from parts of Punjab, Haryana and north Rajasthan.
- ❖ It has withdrawn nearly 40 days later than the normal date (October 9).
- ❖ The most delayed monsoon withdrawal recorded before 2019 was in 1961, when the monsoon began its retreat on October 1.
- ❖ The withdrawal was announced after the two essential conditions for monsoon's retreat were observed by the IMD
 - Persistent anti-cyclonic circulation
 - Gradual reduction in moisture
- ❖ The reversal of wind direction is likely to reduce humidity and lead to a drop temperature in north India.

eDantseva – Oral Health Program

- ❖ Union Minister of Health, Dr. Harsh Vardhan launched the eDantseva website and mobile application.
- ❖ It is the first ever national digital platform on oral health information and knowledge dissemination.
- ❖ It contains information about the National Oral Health Program, detailed list of all the dental facility and colleges, Information, Education and Communication (IEC) material.
- ❖ It also contains a unique feature called the 'Symptom Checker', which provides information on symptoms of dental/oral health problems, ways to prevent them.

About

- ❖ The National Oral Health Programme (NOHP) in its current form was introduced in 2014.
- ❖ AIIMS, New Delhi functions as the National Center of Excellence for Implementation of NOHP.

ECONOMY

Green Channel Route

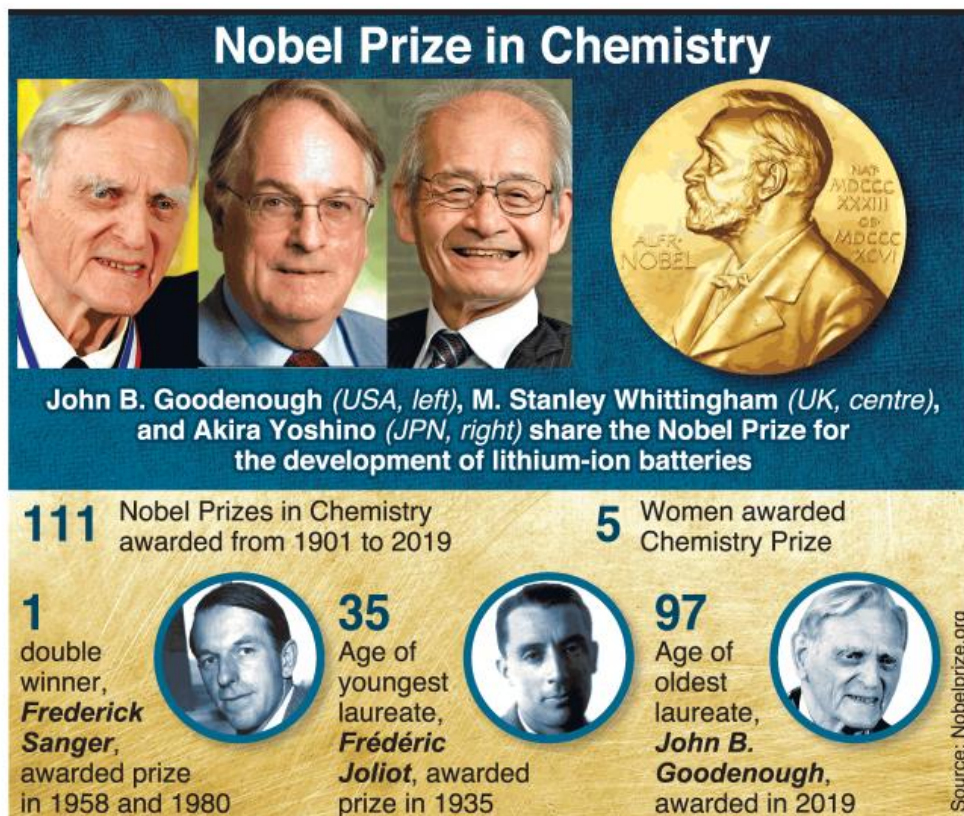
- ❖ The Competition Commission of India (CCI) has given its approval under the 'green channel' route to acquisition of Essel Mutual Fund by BAC Acquisitions.
- ❖ This is the first clearance under the 'green channel' route.

- ❖ Green Channel is a speedier approval mechanism put in place by the CCI.

SCIENCE AND TECHNOLOGY

Nobel Prize in Chemistry

- ❖ The 2019 Nobel Prize in Chemistry has been awarded to
 - John B Goodenough of the University of Texas
 - M Stanley Whittingham of the State University of New York at Binghamton
 - Akira Yoshino of Asahi Kasei Corporation and Meijo University in Japan
- ❖ They were awarded for the development of the lithium-ion battery, which "laid the foundation of a wireless, fossil fuel-free society."



- ❖ The foundation of the lithium-ion battery was laid during the oil crisis of the 1970s.
- ❖ M Stanley Whittingham discovered an energy-rich material called titanium disulphide, which he used to make a cathode.
- ❖ It is the positive terminal in a lithium battery.
- ❖ Sony released the first commercial lithium-ion batteries in 1991, based on Yoshino's configuration.

- ❖ At the age of 97, Professor John B Goodenough is the oldest ever Nobel laureate.

ENVIRONMENT

Asia Environmental Enforcement Award

- ❖ Senior Indian Forest Service (IFS) officer Ramesh Pandey has been selected for the prestigious Asia Environmental Enforcement Award.
- ❖ He has been awarded by the United Nations Environment Programme.
- ❖ The 1996-batch IFS officer, posted as Chief Conservator Forests in Lucknow has been commended for
 - Investigation and intelligence gathering on poachers
 - Combating trans-boundary environmental crime
- ❖ The award aims to recognise outstanding achievements by public organisations and individuals in Asia to combat transboundary environmental crime.

