



October - 07

TNPSC BITS

- ❖ India celebrates Ganga River Dolphin Day every year on October 5 as the Ganga river dolphins were declared the National Aquatic Animal in 2010.

NATIONAL

Tribes India E-Marketplace

- ❖ The Minister of Tribal Affairs Arjun Munda launched India's largest handicraft and organic products marketplace - Tribes India E-Marketplace (market.tribesindia.com).
- ❖ It will help them to market their products directly and give them the immediate benefits of online trade.
- ❖ It is also a major leap towards the digitisation of tribal commerce.

PM Svanidhi Scheme

- ❖ The Centre joins Hands with Swiggy to take Street Food Vendors Online.
- ❖ Under this Scheme, the move will give street vendors online access to thousands of consumers and help them grow their businesses.
- ❖ To begin with, it will run a pilot program by on-boarding 250 vendors across five cities namely — Ahmedabad, Chennai, Delhi, Indore, and Varanasi.

First ever two organic spices seed parks

- ❖ Gujarat will get two organic spices seed parks in Banaskantha and Patan districts.
- ❖ It aims to promote organic seed value chain of fennel and cumin respectively.
- ❖ It will be supported by the National Bank for Agriculture and Rural Development (NABARD).



ECONOMY

Monetary Policy Committee Members

- ❖ The Government of India appointed economists Jayant R Varma, Shashank Bhide and Ashima Goyal as members of Monetary Policy Committee (MPC).
- ❖ The current MPC was set up by the Government of India in 2016 following the finalisation of Monetary Policy Framework Agreement.
- ❖ The framework introduced inflation targeting.
- ❖ The MPC frames monetary policies for the country using monetary tools such as bank rate, repo rate, reverse repo rate, cash reserve ratio.
- ❖ These tools are called monetary policy instruments.

SCIENCE AND TECHNOLOGY

PARAM Siddhi Supercomputer

- ❖ The Centre for Development of Advanced Computing (C-DAC) will commission the India's largest High-Performance Computing and Artificial Intelligence (HPC-AI) supercomputer.
- ❖ It is named as 'PARAM Siddhi – AI' and have 210 AI Petaflops speed.
- ❖ This would put India into top countries in the field of global AI supercomputing research and innovation.

Other Supercomputers in India

- ❖ The first super computer was "Param Shivay" built under the National Supercomputing Mission by C-DAC.
- ❖ Pratyush – It is holding 39th position in the World and is located in Indian Institute of Meteorology, Pune.
- ❖ Mihir, which holds 66th position in the world, located in National Centre for Medium Range Weather Forecasting.
- ❖ InC1 is holding 206th rank.
- ❖ SERC, the Supercomputer Education Research Centre at Indian Institute of Science at Bengaluru, holds 327th rank.
- ❖ iDataPlex holds 496th rank.



ENVIRONMENT

My Ganga My dolphin campaign

- ❖ On the occasion of the Ganga River Dolphin Day (October 05), “My Ganga My Dolphin” campaign was launched to promote and boost eco-tourism in the country.
- ❖ The ecotourism programme has been launched at six destinations by the National Mission for Clean Ganga (NMCG).
- ❖ The programme includes dolphin safari in Uttar Pradesh, Bihar and West Bengal, all three states blessed with the River Ganga’s presence.
- ❖ My Ganga My Dolphin was also launched to conduct Dolphin census in the 250-km stretch from Bijnor to Narora in Uttar Pradesh.

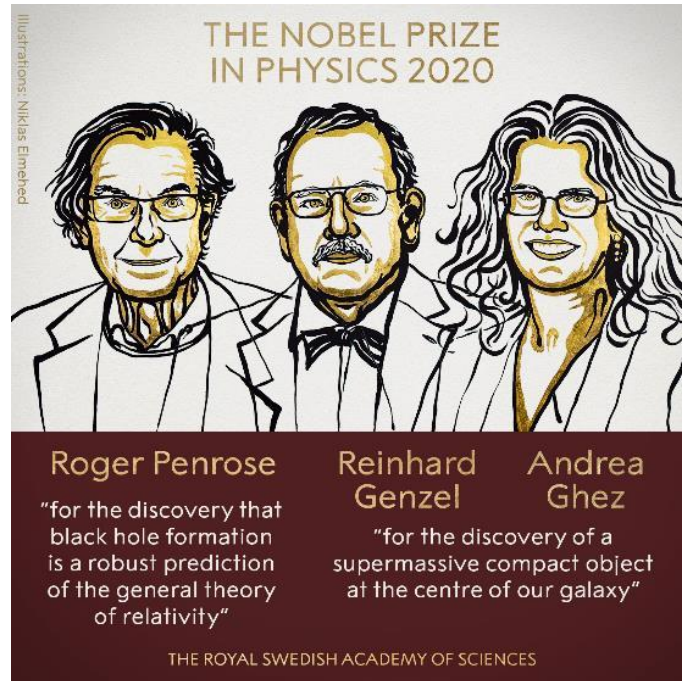
PERSONALITIES, AWARDS, AND EVENTS

Nobel Prize 2020 for Physics

- ❖ The Nobel Prize 2020 in the Physics category has been awarded to Roger Penrose while the other half is jointly awarded to Andrea Ghez and Reinhard Genzel.
- ❖ The three scientists have been awarded the prestigious prize for their ground-breaking discoveries about the black holes.
- ❖ So far 4 women, including the latest winner Andrea Ghez have won the prestigious award since it was first given in 1901.

discoveries

- ❖ Penrose: discovery that the black hole formation is a robust prediction for the general theory of Relativity.
- ❖ Ghez and Genzel: An invisible and extremely heavy object governs the orbits of stars at the centre of our galaxy and a supermassive black hole is the only currently known explanation.



MISCELLANEOUS

Breast cancer awareness month 2020 - Oct 1 to 30

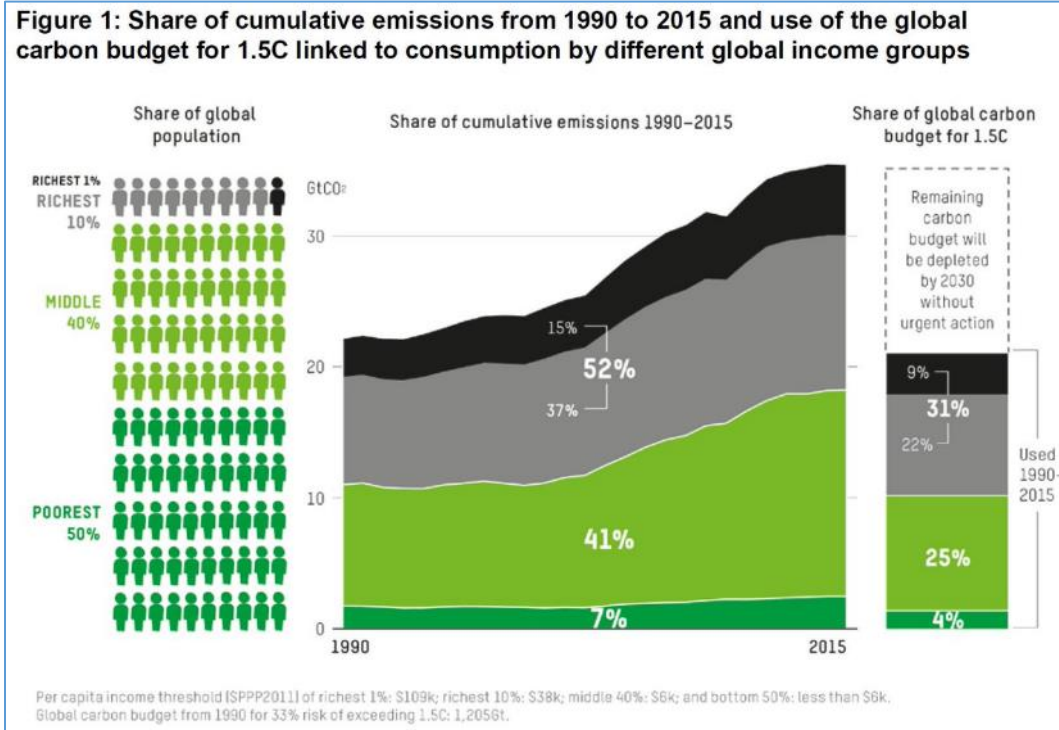
- ❖ The month of October is observed as breast cancer awareness month.
- ❖ It tries to make people aware of the need for early detection of breast cancer, its treatment options and prevention methods that can help save lives.
- ❖ Mammography is an X-ray that can help detect any abnormality in the breasts.

Confronting Carbon Inequality report

- ❖ The Oxfam International and the Stockholm Environmental Institute (SEI) has released a report titled "Confronting Carbon Inequality".

Data Analysis from 1990 to 2015

- ❖ The richest 1% of humanity accounted for 15% of cumulative emissions, while the poorest 50% accounted for only 7%.
- ❖ The richest 10% depleted the global carbon budget by 31% and the poorest 50% used only 4% of the carbon budget.
- ❖ A carbon budget is a cumulative amount of carbon dioxide (CO₂) emissions permitted over a period of time to keep within a certain temperature threshold.
- ❖ While the richest 10% accounted for 46% of emissions growth, the poorest 50% accounted for only 6%.



India and other nations

- ❖ An Indian emitted only 1.97 tonnes of CO₂ (tCO₂) annually, while Americans and Canadians both emitted well over 16 tCO₂.
- ❖ The per capita CO₂ emissions of the richest 10% of Indians were about 4.4 tonnes in 2018.
- ❖ In comparison to the per capita emissions of the richest 10% Americans were 52.4 tonnes, almost 12 times that of the richest Indians.
- ❖ India's per capita emissions were a fraction of the EU's emission (6.78 tCO₂/person) and making it the lowest per capita emitter amongst the World's large economies.
- ❖ China's per capita emissions 7.95 tCO₂/person.

