



July - 26

TNPSC BITS

- ❖ The Indian-origin nurse in Singapore Kala narayanaswamy has been conferred with the Singapore President's Award for Nurses for serving on the frontline during the COVID-19 pandemic.
- ❖ After Delhi, India's second national-level plasma bank was opened at Rajiv Gandhi Government General Hospital in Chennai.
- ❖ National Thermal Engineer Day is celebrated on July 24 to appreciate the contribution of thermal engineers in everyday life.
- ❖ The All India Institute of Medical Sciences (AIIMS) administered the first dose of country's first indigenous vaccine candidate 'Covaxin'.
- ❖ Jharkhand government has announced heavy penalties of jail term and fine for violating the COVID-19 protocols.
- ❖ The Reserve Bank of India (RBI) publicized the "Report of the Committee for Analysis of QR (Quick Response) Code" under the chairmanship of Deepak B. Phatak.

NATIONAL

Project SPRING

- ❖ The IIT (Indian Institute of Technology) and Banaras Hindu University (BHU) is to develop a biotechnology-based water treatment system for the purification of the river Ganga and Godavari water.
- ❖ The project is funded by the Indian Ministry of science & technology, Department of biotechnology with the European Union.
- ❖ The Specific Goal is to develop a low cost advanced bio-oxidation system for polluted water.
- ❖ Project SPRING is called Strategic Planning for Water Resources and Implementation of Novel Biotechnical Treatment solutions and Good Practices.

SBTi

- ❖ Adani Ports and Special Economic Zone Ltd (APSEZ) becomes the 1st Indian port and 7th Port globally to sign up for the Science-Based Targets initiative (SBTi).

- ❖ SBTi is a collaboration between CDP (Carbon Disclosure Project), the United Nations Global Compact, World Resources Institute (WRI) and the World Wide Fund for Nature (WWF).



National Transit Pass System (NTPS)

- ❖ Union Minister of Environment, Forest and Climate Change, Prakash Javadekar virtually launched this scheme as pilot project.
- ❖ The pilot project will be functional in Madhya Pradesh (MP) and Telangana.
- ❖ NTPS will replace manual paper-based transit system by online transit system enabling ease of movement of timber, bamboo and other minor forest produce.

Permanent Commission for Women in Army

- ❖ The Ministry of Defence has issued a formal sanction letter to grant permanent commission to women officers in the Indian Army.
- ❖ It specifies grant of permanent commission to Short Service Commissioned (SSC) Women Officers in all ten streams of the Indian Army.
- ❖ Entry of women in the Army has only been through Short Service Commission (SSC).
- ❖ Till now they could not serve beyond 14 years.

Solar Power Plant of Navy

- ❖ Recently Indian Navy inaugurated 3 MW Solar Power Plant at Indian Naval Academy, Ezhimala in Kerala.
- ❖ The solar plant is the largest in the Indian Navy and has an estimated life of 25 years.
- ❖ This is in line with the 'National Solar Mission' to achieve 100GW of solar power by 2022.



INDSAT Exam

- ❖ The Union Ministry of Human Resource and Development conducted the first ever Indian Scholastic Assessment (Ind-SAT) Test 2020 under its 'Study in India' programme.
- ❖ Ind-SAT is an exam for grant of scholarships and admissions to foreign students for studying in select Indian universities.
- ❖ Under Study in India is a programme of MHRD, foreign students come to study in 116 select higher education institutions in India for under graduate and post graduate programmes.

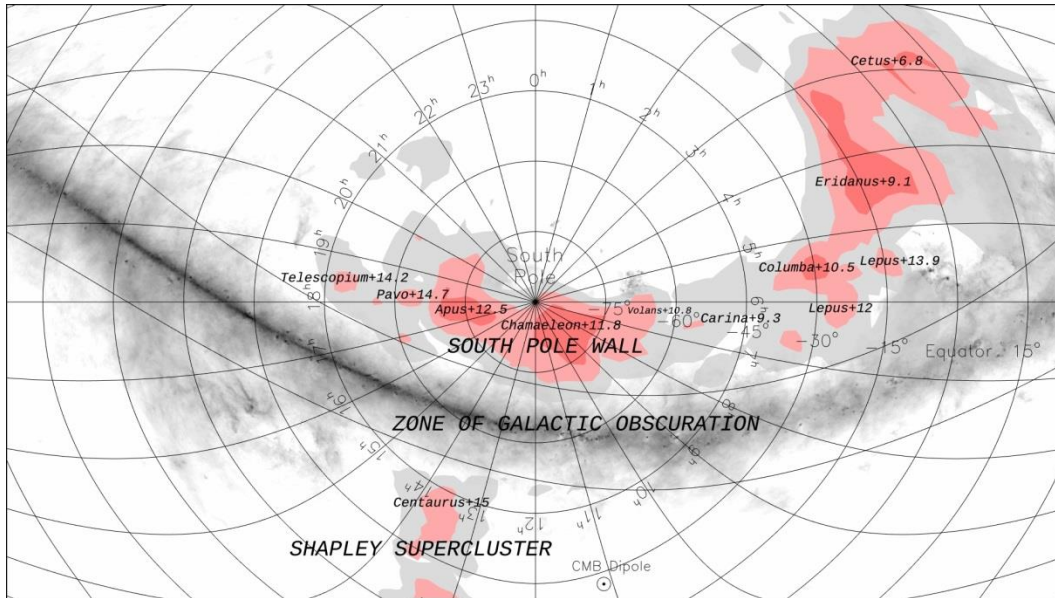
Rapid Test Partnership

- ❖ Israel and India partners to develop rapid testing for COVID-19 in under 30 seconds.
- ❖ There are four test systems that are to be tried in India.
- ❖ They are Breathalyzer Test based on Terra-Hertz waves, voice test, isothermal test and poly amino acids test.
- ❖ All the above four tests can detect the presence of COVID-19 virus within minutes.
- ❖ The voice test analyses recording of a human voice to identify changes in the patient's voice and deterioration in the condition of his/her respiratory system.
- ❖ It is as part of system developed for detecting the virus using Terra-Hertz (THZ) waves.

SCIENCE AND TECHNOLOGY

South Pole Wall

- ❖ The Spectacular 3D maps of the universe have revealed inconceivable wall known as South Pole Wall.
- ❖ The South Pole Wall rivals in size the Sloan Great Wall, the sixth largest cosmic structure discovered.
- ❖ It stretches 1.4 billion light-years across that contains hundreds of thousands of galaxies.
- ❖ It was remaining undetected until now because large parts of it sit half a billion light-years away behind the bright Milky Way galaxy and Zone of Avoidance.
- ❖ Zone of Avoidance is the disc of our home galaxy, a region thick and bright with dust and gas and stars.



Venus Coronae

- ❖ Researchers have recently studied the formation of Venus' ring-shaped volcanic structures called "Coronae".
- ❖ They are formed by plumes of molten rock rising from the mantle up through the crust.
- ❖ Venus was earlier determined to be an inactive planet.
- ❖ However, now it is being said that the interior is still churning and can feed many active volcanoes.

