

May - 14

TNPSC BITS

- ❖ The Department of Consumer Affairs operating under Ministry of Consumer Affairs and Food and Public Distribution launched Suraksha Store Initiative.
- ❖ The Bengaluru city corporation has launched Pranavayu programme to create awareness on the need to self-examine the respiratory health for Bangaloreans
- ❖ The Elongated tortoise or Sal forest tortoise is a species of tortoise found in Southeast Asia and parts of the Indian Subcontinent, particularly Northeast India.
 - IUCN Red List Status is Critically Endangered.
- ❖ The Uttar Pradesh Government launched the 'Pravasi Rahat Mitra' app for the migrant workers of the state who have been returning from other states amid the lockdown.
- ❖ As per the recent study published in the European Heart Journal, Men are more prone to get COVID-19 infection than women.
 - The Study reveals that higher blood levels of ACE2 enzyme in men enables Coronavirus to infect the healthy cells.
- ❖ Vitamin D is known to modulate the response of white blood cells, preventing them from releasing too many inflammatory cytokines (part of the body's immune response to fight infections).
 - The Covid virus is known to cause an excess of pro-inflammatory cytokines, called a cytokine storm.
- ❖ An Iranian missile hit its own support vessel during a training exercise in the Gulf of Oman.
- ❖ The Thanjavur Netti Works (pith works) and Arambavur Wood Carvings of Perambalur belonging to Tamil Nadu were awarded the Geographical Indication Tag.
 - Thanjavur Netti Works (Thanjavur Pith Work) is made from Netti (pith) from a marshy plant called as Aeschynomene Aspera.

NATIONAL

Sample Registration System (SRS)

- ❖ Recently, the Registrar General of India released data related to birth rate, death rate and infant mortality rate in its Sample Registration System (SRS) bulletin for 2018.



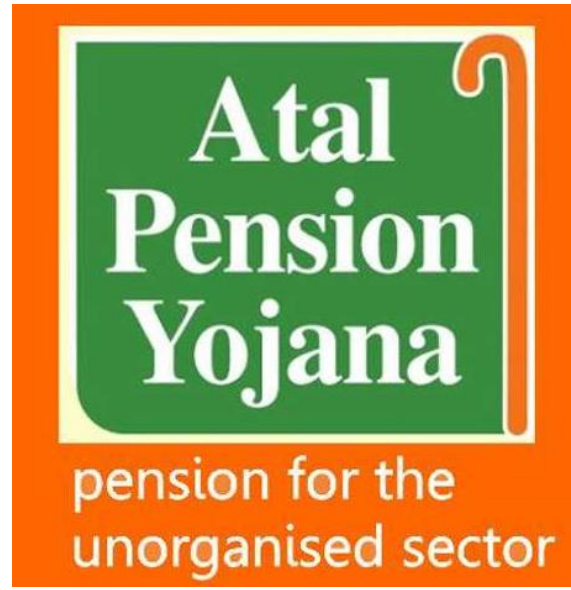
- ❖ The rates are calculated per one thousand of the population.
- ❖ SRS is a demographic survey for providing reliable annual estimates of infant mortality rate, birth rate, death rate and other fertility and mortality indicators at the national and sub-national levels.
- ❖ Registrar General of India was founded in 1961 by the Government of India under the Ministry of Home Affairs.

Highlights of 2018 SRS

- ❖ India's birth rate has declined from 36.9 in 1971 to 20.0 in 2018.
- ❖ The birth rate has continued to be higher in rural areas compared to urban areas in the last four decades.
- ❖ Bihar (26.2) continues to remain at the top of list in birth rate while Andaman and Nicobar (11.2) is at the bottom.
- ❖ The death rate of India declined from 14.9 in 1971 to 6.2 in 2018.
- ❖ The decline has been steeper in rural areas.
- ❖ Chhattisgarh has the highest death rate at 8 and Delhi has a lowest death rate of 3.3.
- ❖ Infant mortality rate (IMR) has decreased to 32 compared to 1971 (129).
- ❖ Madhya Pradesh has the highest IMR of 48 and Nagaland has the lowest IMR of 4.

Atal Pension Yojana

- ❖ The "Atal Pension Yojana" launched on May 9, 2015.
- ❖ It has completed 5 years of its implementation.
- ❖ The scheme was replaced with Swavalamban Yojana.
- ❖ It was established to provide old age income security to the unorganized sector.
- ❖ The Scheme can be subscribed by any Indian citizen of age 18 to 40 years.
- ❖ It provides a minimum guaranteed pension of Rs 1000 to Rs 5000 on attaining 60 years of age.
- ❖ It is implemented by PFRDA (Pension Fund Regulatory and Development Authority) operating under Ministry of Finance.



SCIENCE AND TECHNOLOGY

Covid Kavach Elisa Test

- ❖ The National Institute of Virology of Pune has indigenously developed antibody detection kit for COVID-19.
- ❖ The kit was jointly developed by ICMR (Indian Council of Medical Research) and NIV.
- ❖ It will test the presence of IGG antibodies in the sample.
- ❖ The test measures the amount of specific RNA.
- ❖ It requires minimal bio-safety and bio-security requirements as compared to that of the RT-PCR test.
- ❖ It is sensitive, cost-effective and rapid.
- ❖ It can test up to 90 samples together in a single run of 2.5 hours.
- ❖ The Gujarat based Zydus Cadila is to produce the kits on a large scale.
- ❖ The NIV is to conduct the technology transfer to the company.
- ❖ This is a huge leap in the progress of India's fight against COVID-19 as India is importing most of its diagnostic materials.
- ❖ ELISA is Enzyme-linked Immuno sorbent Assay.
- ❖ ELISA is used to detect antibodies for a wide range of infections, especially antibody of HIV.



ICMR and Zydus Cadila develops IgG ELISA test for antibody detection

ENVIRONMENT

Strict Liability

- ❖ The National Green Tribunal's order on Visakhapatnam gas tragedy, found LG Polymers prima facie liable under the law principle of “strict liability”.
- ❖ This liability was made redundant in India by the Supreme Court in 1986.
- ❖ In 1986, the Supreme Court replaced it with the ‘absolute liability principle’ in the Oleum gas leak case of Delhi.
- ❖ The principle of absolute liability is part of Article 21 (right to life).
- ❖ Under the “strict liability principle”, a party is not liable and need not pay any compensation if a hazardous substance escapes his premises by accident or by an “act of God” among other circumstances.

Rule of Strict Liability :-

There are situation when a person may be liable for some harm even though he is not negligent in causing same. In other word, sometimes law recognized ‘**No fault**’ liability. In this, connection, the rule laid down in two cases, firstly, in the decision of house of lords in **Rylands v/s Fletcher**,(1868) and secondly, in decision of supreme court of India **M.c Mehta v/s Union of India**,(1987) may be noted.



IMPORTANT DAYS

International Nurse Day - May 12

- ❖ The birth anniversary of Florence Nightingale is celebrated as the International Nurse Day.
- ❖ The International Council of Nurses lead the celebration of this day.
- ❖ Theme of this year is “Nurses: A Voice to lead-Nursing the World to Health”.



- ❖ This year 2020 is celebrated as the Year of Nurse and Midwife as it is the 200th birth anniversary of Florence Nightingale.
- ❖ This is being organized by the World Health Organization in order to achieve Universal Health Coverage.
- ❖ Nightingale was called the “Lady with the Lamp”.
- ❖ She was born to a wealthy English family in Italy.



2020
INTERNATIONAL YEAR
OF THE NURSE AND
THE MIDWIFE

