

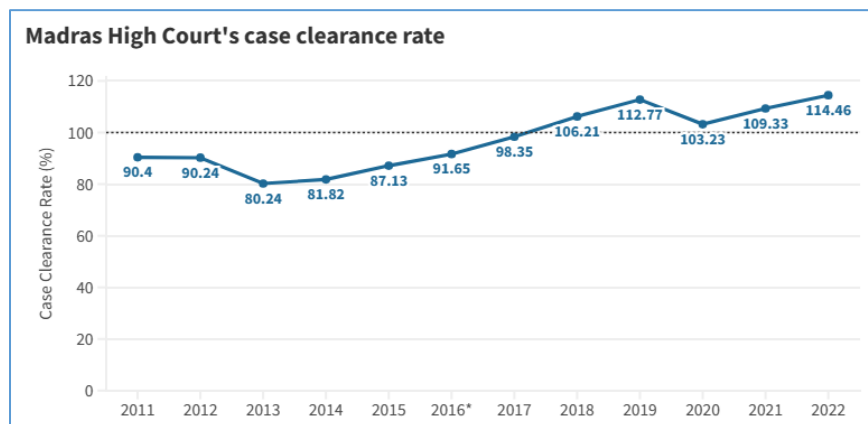
November - 20

TNPSC BITS

- ❖ A special session of the Tamil Nadu Legislative Assembly had been convened on November 18 (Saturday) to readopt certain Bills returned to the assembly by Governor.
 - This was the third time in the history of the Tamil Nadu Assembly where Bills returned by the Governor are set to be readopted.
- ❖ Tamil Nadu Governor flagged off the Viksit Bharat Sankalp Yatra van in Kovilur village near Jamunamarathur, Jawadhu Hills, Tiruvannamalai.
- ❖ World-renowned author Salman Rushdie has been awarded the first-ever 'Lifetime Disturbing the Peace Award' by the Vaclav Havel Center.
- ❖ Janjatiya Gaurav Divas is celebrated on November 15 each year.
 - The day commemorates the birth anniversary of Birsa Munda, a tribal leader who fought against British.
- ❖ International Students Day is observed on November 17 to commemorate the death anniversary of Students in Prague of Czech Republic in 1939.

TAMIL NADU

Highest disposal of cases - Madras High Court



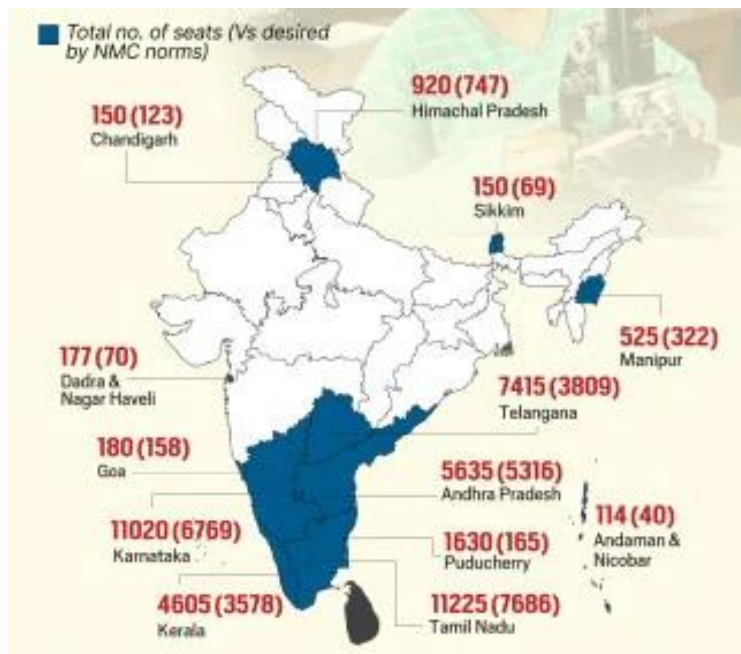
- ❖ The Madras High Court has created a record in disposal of cases by registering its highest ever Case Clearance Rate (CCR) of 114% in 2022.
- ❖ 109% registered CCR recorded in 2021.
- ❖ A CCR beyond 100% signifies the court had not just matched the number of cases instituted in a particular year with the number that were disposed of in the same

year but had also gone a step ahead by clearing considerable number of backlog cases accumulated over the years.

- ❖ 1,61,810 cases were instituted in the principal seat of the High Court in Chennai and its Madurai Bench between January 1, 2022 and December 31, 2022.
- ❖ The High Court had registered a CCR of 106.21% in 2018, 112.77% in 2019 and 103.23% in 2020 too.

NATIONAL

Limiting MBBS Seats in States

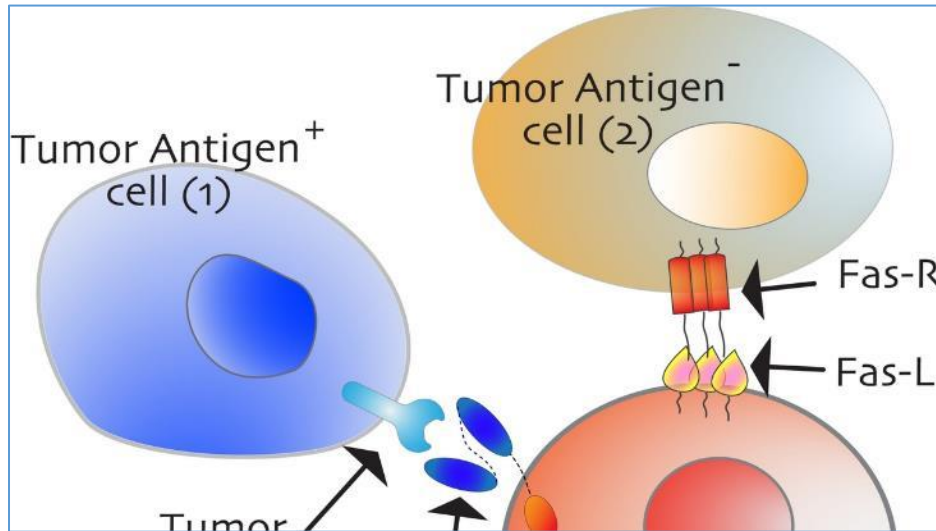


- ❖ The National medical Commission (NMC) has deferred the decision of re-examining the provisions of the ratio of 100 MBBS seats for 10 lakh population in the state.
- ❖ The Undergraduate Medical Education Board (UGMEB) of the NMC has now notified that the clause will now come into force from the 2025-26 academic cycle.
- ❖ The National Medical Commission had earlier restricted the number of undergraduate seats in each state to 100 per million population.
- ❖ The limit to the number of seats was introduced to limit crowding of medical colleges in a state.
- ❖ The move aimed at reducing regional disparities in availability of healthcare professionals and ensure effective quality of education.

- ❖ With this ratio there would have been a potential for addition of about 40,000 MBBS seats in country if the medical colleges are evenly distributed.

SCIENCE AND TECHNOLOGY

'Kill Switch' for Cancer Cells



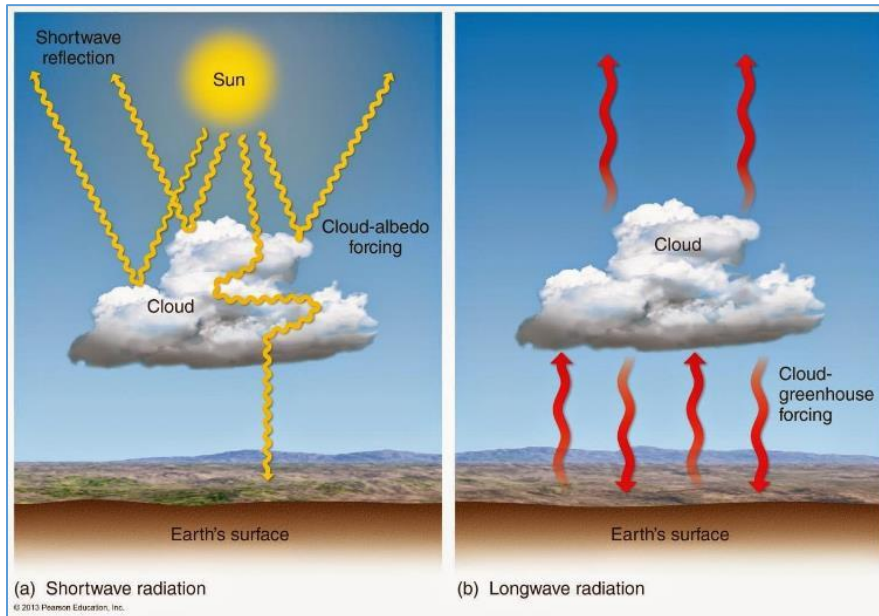
- ❖ The Scientists have reportedly discovered a 'kill switch' that triggers the death of cancer cells.
- ❖ They identified a protein on a receptor that can be designed to kill cancer cells.
- ❖ CD95 receptors, also known as Fas, are called death receptors.
- ❖ These protein receptors reside on cell membranes.
- ❖ When activated, they release a signal that causes the cells to self-destruct.
- ❖ As of now, the therapy has shown promising efficacy against liquid cancer, leukaemia and other blood cancers.

ENVIRONMENT

Marine cloud brightening

- ❖ The "marine cloud brightening" is being seriously considered as a way to shield parts of the ocean from extreme heat.
- ❖ Water cannons are used to spray seawater into the sky.
- ❖ This causes brighter, whiter clouds to form.

- ❖ These low marine clouds reflect sunlight away from the ocean's surface, protecting the marine life below from the worst of climate change.
- ❖ Modelling studies are encouraging and suggest it could delay the expected decline in coral cover.
- ❖ British cloud physicist John Latham originally proposed cloud brightening in 1990 as a way to control global warming by altering Earth's energy balance.



New Species of Seer Fish



- ❖ Scientists have discovered two new species of seer fish in Indian waters.
- ❖ One of the newly discovered species, previously unknown to science, has been named the Arabian Sparrow Seer Fish (*Scomberomorus avirostrus*).

- ❖ The second achievement of the team was the successful reestablishment of the Russell's Spotted Seer Fish (*Scomberomorus leopardus*) as a distinct species.
- ❖ Earlier, it was believed to be similar to the Spotted Seer Fish.
- ❖ Seer fishes are of considerable commercial importance, and this discovery is seen as a major breakthrough in the field of marine fisheries.

World's first sperm whale reserve

- ❖ The Caribbean Island of Dominica is creating the world's first marine protected area for one of Earth's largest animals: the endangered sperm whale.
- ❖ Nearly 300 sq miles (800 sq km) of royal blue waters on the western side of the island nation will be designated as a reserve.
- ❖ Fewer than 500 sperm whales are estimated to live in the waters surrounding Dominica.
- ❖ Sperm whales can produce a single calf every five to seven years.
- ❖ In the pre-whaling days, an estimated 2 million sperm whales roamed the Earth's deep waters but now, some 800,000 are left.



SPORTS

World Cup 2023

- ❖ Australia defeated India by six wickets to win their sixth ODI World Cup in Ahmedabad, Gujarat.
- ❖ India had won 10 successive matches before losing the 2023 World Cup final.
- ❖ Australia had won their first World Cup in 1987.

- ❖ And then followed it up with three successive titles in 1999, 2003 and 2007.
- ❖ It also won in the 2015 title.
- ❖ India has won this in 1983 and 2011.
- ❖ Australia had defeated India in the final of the 2003 ODI World Cup.
- ❖ Travis Head of Australia was man of the match in Final while Virat Kohli of India was the player of the series.



IMPORTANT DAYS

World Prematurity Day 2023 - November 17

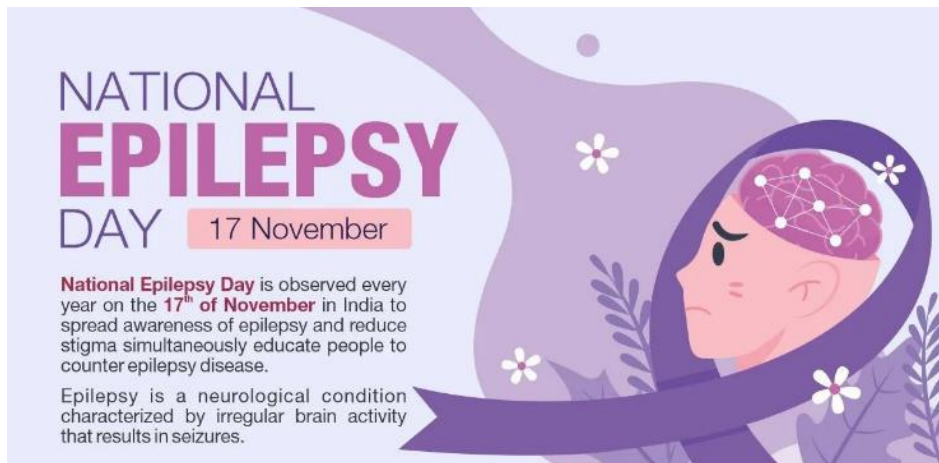


- ❖ This day raises the global awareness of the challenges for women and babies associated with preterm birth, and celebrates the lives of preterm infants.
- ❖ Preterm birth is a leading cause of death among children under five.

- ❖ Around 15 million babies (one in ten) born prematurely worldwide every year.
- ❖ Prematurity is the broad category of newborns born before 37 weeks of gestation.
- ❖ This year theme is "Small actions, BIG IMPACT: Immediate skin-to-skin care for every baby everywhere".

National Epilepsy Day 2023 - November 17

- ❖ It aims to raise awareness around epilepsy and also its impact on people, families and the society.
- ❖ The day was first observed by the Epilepsy Foundation of India and was established by Dr Nirmal Surya.
- ❖ A persistent brain illness called epilepsy is marked by periodic "fits" or "seizures."
- ❖ Around 50 million people worldwide are affected by epilepsy.
- ❖ And India accounts for nearly 10-20 percent (5-10 million) of the global burden of epilepsy.



MISCELLANEOUS

FATF On-Site Review in India

- ❖ A Financial Action Task Force (FATF) team is visiting India as part of the process to conduct the country's mutual evaluations.
- ❖ The FATF team is carry out an assessment of anti-money laundering and terror financing measures taken by the country.
- ❖ FATF comprises 39 members and sets international standards to prevent illegal activities, including drugs, human trafficking and other crimes.
- ❖ FATF has two types of lists viz. Grey List and Black List.

❖ Myanmar, Iran, and North Korea are on its 'Black List'.

