

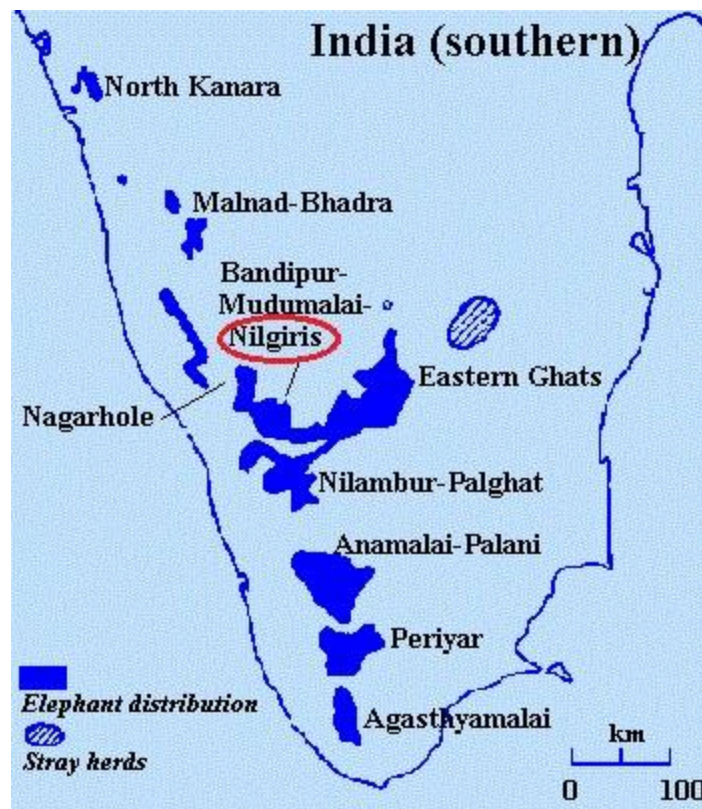
September - 18

TNPSC BITS

- ❖ TN Police has implemented TrackKD, an Integrated Data Management System for Criminal profiling and tracking.
 - It has profiles of 30, 000 history sheeters in the State list and 3500 in the city police.
- ❖ Indian badminton player Kiran George Clinches Indonesia Badminton Masters Title 2023 in Medan, North Sumatra.
- ❖ Louisville, Kentucky city of United States has declared September 3 as Sanatana Dharma Day.

TAMIL NADU

36 elephant corridors in Tamil Nadu

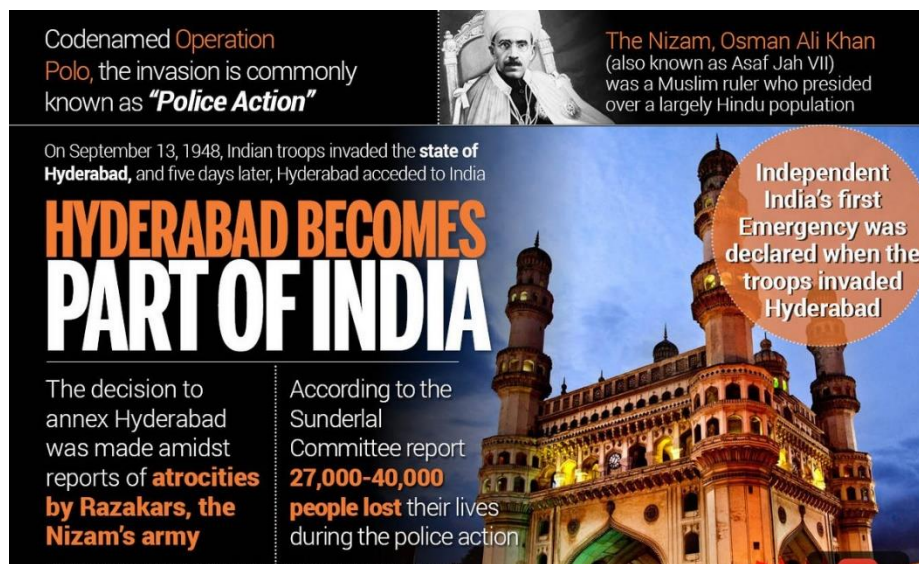


- ❖ Recent studies revealed the preliminary information regarding the existence of as many as 36 corridors in Tamil Nadu.
- ❖ This field study is conducted by an elephant corridor identification committee.

- ❖ Of them, 17 have been identified in the south of Palakkad and 19 in the north of Palakkad.
- ❖ A publication brought out by the Wildlife Trust of India had mentioned just 19 elephant corridors in Tamil Nadu.
- ❖ However, the recent study has revealed almost double the number, thereby posing several challenges in consolidation.

NATIONAL

Operation Polo - 75th anniversary



Codenamed **Operation Polo**, the invasion is commonly known as "**Police Action**"

The Nizam, Osman Ali Khan (also known as Asaf Jah VII) was a Muslim ruler who presided over a largely Hindu population

On September 13, 1948, Indian troops invaded the **state of Hyderabad**, and five days later, Hyderabad acceded to India

HYDERABAD BECOMES PART OF INDIA

Independent India's first Emergency was declared when the troops invaded Hyderabad

The decision to annex Hyderabad was made amidst reports of **atrocities by Razakars, the Nizam's army**

According to the Sunderlal Committee report **27,000-40,000 people lost** their lives during the police action.

- ❖ India celebrated the 75th anniversary of Operation Polo on September 13, 2023.
- ❖ On this day in 1948, the Indian Army launched military action to integrate the princely state of Hyderabad.
- ❖ The military offensive in Hyderabad state was termed as 'Police Action' at the time by the then home minister Sardar Vallabhbhai Patel.
- ❖ The Hyderabad Nizam's forces surrendered to the Indian Army by September 18.

Ayushman Bhav Campaign

- ❖ Honourable President of India virtually launched Ayushman Bhav Campaign.
- ❖ It is a comprehensive nationwide healthcare initiative.
- ❖ It ensures saturation coverage of healthcare schemes, reaching every village and town in the country.
- ❖ It is initiated by the Ministry of Health and Family Welfare.

- ❖ It aims to provide Ayushman cards, generate ABHA IDs, and raise awareness about vital health schemes and disease conditions, such as non-communicable diseases, tuberculosis, and sickle cell disease.
- ❖ The campaign will be implemented during the 'Seva Pakhwada' from September 17th to October 2nd, 2023.
- ❖ It is a mission to ensure that every individual receives essential health services without any disparity or exclusion.
- ❖ This synergistic approach aims to saturate coverage of health services through its three components:
 - Ayushman - Apke Dwar 3.0
 - Ayushman Melas at Health and Wellness Centres (HWCs) and Community Health Centres (CHCs) and
 - Ayushman Sabhas in every village and panchayat.



New Director of Enforcement Directorate

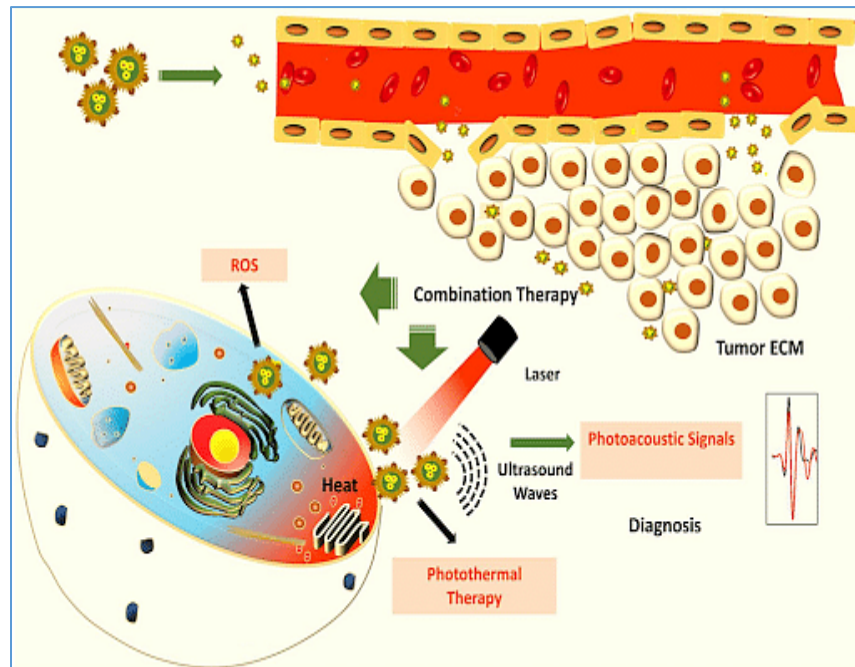


- ❖ Rahul Navin was appointed in-charge Director of the Enforcement Directorate (ED) on the completion of tenure of the incumbent Sanjay Kumar Mishra.

- ❖ Mr. Navin is currently serves as the ED's special director.
- ❖ Mishra's tenure was initially extended by the Supreme Court until September 15, after the court deemed the previous extensions beyond September 8, 2021, as "not valid in law".

SCIENCE AND TECHNOLOGY

Novel approach to detect and kill cancer cells



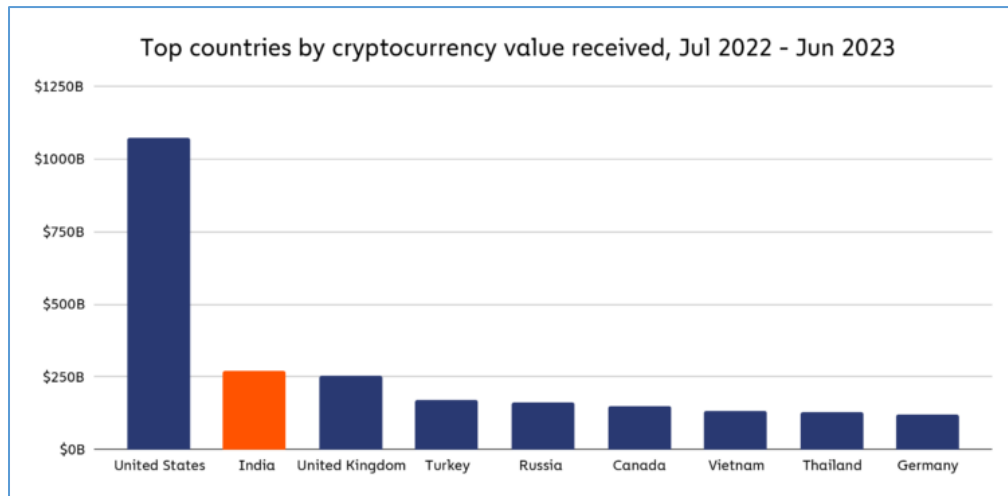
- ❖ The Indian Institute of Science (IISc) scientists have developed a new approach to potentially detect and kill cancer cells, especially those which form a solid tumour mass.
- ❖ They have created hybrid nanoparticles made of gold and copper sulphide.
- ❖ It can kill cancer cells using heat, and enable their detection using sound waves.
- ❖ These hybrid nanoparticles have photothermal, oxidative stress, and photoacoustic properties.
- ❖ These hybrid nanoparticles absorb the light and generate heat which can kill the cancer cells.
- ❖ These nanoparticles also produce singlet oxygen atoms that are toxic for the cells.
- ❖ Moreover, these nanoparticles have potential to aid in cancer diagnosis.
- ❖ The existing methods such as CT and MRI scans require trained radiology professionals to decipher the images.

- ❖ But, the photoacoustic properties of these particles can provide better images with high resolution.

REPORTS AND INDICES

2023 Global Crypto Adoption Index

- ❖ India has achieved the top rank among 154 nations in grassroots crypto adoption.
- ❖ It is displaying remarkable resilience in the face of challenging regulatory conditions.
- ❖ This marks a significant comeback from last year.
- ❖ India had dropped to the fourth spot in Chainalysis' 2022 adoption index.
- ❖ Nigeria, Vietnam, the United States and Ukraine have completed the top 5 in the rankings.
- ❖ The report highlights a recovery in grassroots cryptocurrency adoption, primarily in lower-middle-income (LMI) countries, following the FTX implosion of 2022.
- ❖ Grassroots crypto adoption reflects about the widespread acceptance and the utilization of crypto in daily life.



PERSONALITIES, AWARDS, AND EVENTS

Ig Nobel Prize 2023

- ❖ A team of scientists from India, China, Malaysia and the US has won this year's Ig Nobels.

- ❖ This prize is awarded for humorous scientific feats, in the mechanical engineering category for its study of repurposing dead spiders to be used in gripping tools.
- ❖ The Ig Nobel Prize is a parody of the Nobel Prize, awarded for unconventional and humorous scientific achievements.
- ❖ It aims to make people laugh and then think about the peculiar aspects of science.
- ❖ Unlike the Nobel Prize, which honor significant intellectual accomplishments, the Ig Nobel Prize celebrates the quirky and offbeat side of research.



IMPORTANT DAYS

International Day of Democracy 2023 - September 15



- ❖ The International Day of Democracy owes its existence to the Universal Declaration on Democracy.

- ❖ It was adopted on September 15, 1997 by the Inter-Parliamentary Union (IPU).
- ❖ IPU is an international organisation of national parliaments.
- ❖ Qatar led efforts to promote an International Day of Democracy.
- ❖ The first celebration took place in 2008.

World Ozone Day 2023 - September 16



- ❖ This day aims to inform people about the significance of the ozone layer along with how its depletion can have adverse effects on human health, ecosystems and the environment
- ❖ On September 16, 1987, the United Nations and 45 other countries signed the Montreal Protocol, on substances that deplete the Ozone layer.
- ❖ Hence, every year this day is celebrated as the International Day for the Preservation of the Ozone layer.
- ❖ On September 16, 2009, the Vienna Convention and the Montreal Protocol became the first treaties in the history of the United Nations to achieve universal ratification.
- ❖ The Kigali Amendment to the Montreal Protocol is legally binding and came into force from 1 January 2019.
- ❖ The amendment aims to phase out Hydrofluorocarbons (HFCs), a family of potent greenhouse gases by the late 2040s.



- ❖ The theme this year is “Montreal Protocol: Fixing the Ozone Layer and Reducing Climate Change”.

