

September - 28

TNPSC BITS

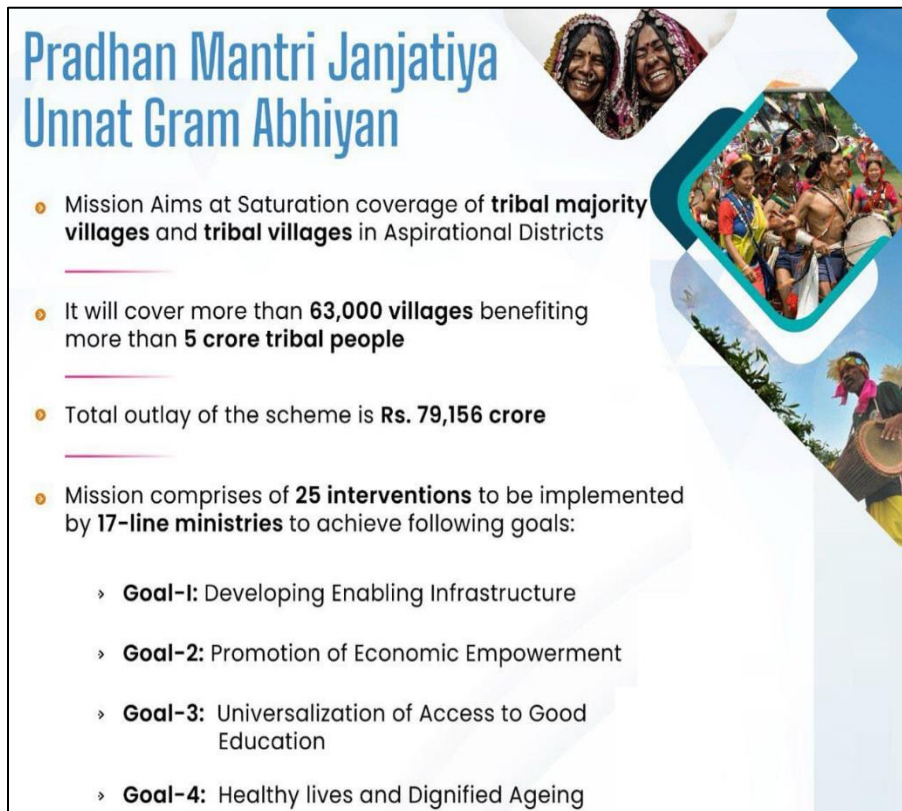
- ❖ India will host the World Audio Visual & Entertainment Summit (WAVES) in February 2025.
- ❖ The 19th Divya Kala Mela was recently launched in Visakhapatnam.
- ❖ ISRO, IN-SPACe, and NSIL have signed 75 technology transfer agreements (TTAs) with non-governmental entities (NGEs).
- ❖ The Ministry of Electronics and IT launched the India Graphene Engineering and Innovation Centre (IGEIC) under the Graphene Aurora Program (GAP).
- ❖ Kaziranga and other protected habitats of the one-horned rhinoceros in Assam recorded an 86% drop in poaching of the herbivore since 2016.
- ❖ The US and India has reached an agreement to work together on setting up a semiconductor fabrication plant in India.
- ❖ Telugu actor Chiranjeevi has been recognized as the Most Productive Indian Film Star by Guinness World Records, with a 46-year career, 537 songs, and 24,000 dance moves.
- ❖ Indian wrestler Sangram Singh created history by winning MMA (Mixed Martial Arts) fight in his debut match at the Gama International Fighting Championship in Tbilisi, Georgia.
- ❖ Two Russian astronauts, Oleg Kononenko and Nikolai Chub, have left the International Space Station breaking the record for the longest stay at 374 days.
 - Kononenko also set the record for the longest cumulative time in space at 1,111 days in orbit.

NATIONAL

PM-JUGA Scheme

- ❖ The Union Cabinet has approved the “Pradhan Mantri Janjatiya Unnat Gram Abhiyan”.
- ❖ It aims to improve the socio-economic conditions of tribal communities through scheme convergence.
- ❖ It will bring sustainable agricultural practices to all Forest Rights Act (FRA) patta holders “to enable them for maintenance and conservation of forest”.

- ❖ As of June 2024, more than 24 lakh FRA titles have been granted to people and communities from Scheduled Tribes (ST) and other traditional forest-dwelling groups.
- ❖ It covers over 1.9 crore acres of forest land across the country.
- ❖ However, of the 50.5 lakh claims filed under the FRA, 34.83% have been rejected and 15.9% remain pending.
- ❖ The 63,000 tribal-majority villages targeted under the PMJUGA are situated in 2,740 blocks across 549 districts across India.



Pradhan Mantri Janjatiya Unnat Gram Abhiyan

- Mission Aims at Saturation coverage of **tribal majority villages** and **tribal villages** in Aspirational Districts
- It will cover more than **63,000 villages** benefiting more than **5 crore tribal people**
- Total outlay of the scheme is **Rs. 79,156 crore**
- Mission comprises of **25 interventions** to be implemented by **17-line ministries** to achieve following goals:
 - › **Goal-1:** Developing Enabling Infrastructure
 - › **Goal-2:** Promotion of Economic Empowerment
 - › **Goal-3:** Universalization of Access to Good Education
 - › **Goal-4:** Healthy lives and Dignified Ageing

Food Import Rejection Alerts Portal

- ❖ Food Safety Standards Authority of India (FSSAI) has developed an online portal- Food Import Rejection Alert (FIRA).
- ❖ It aims to notify the public and relevant food safety authorities about food import rejections at Indian borders.
- ❖ It will generate alerts on a food consignment rejected by India due to poor safety standards.
- ❖ The portal will facilitate rapid exchange of information among authorities worldwide on food safety and health risks stemming from rejected food.

- ❖ Recently FSSAI has rejected over 1,500 imported food items.



Cancer multi-omics data portal



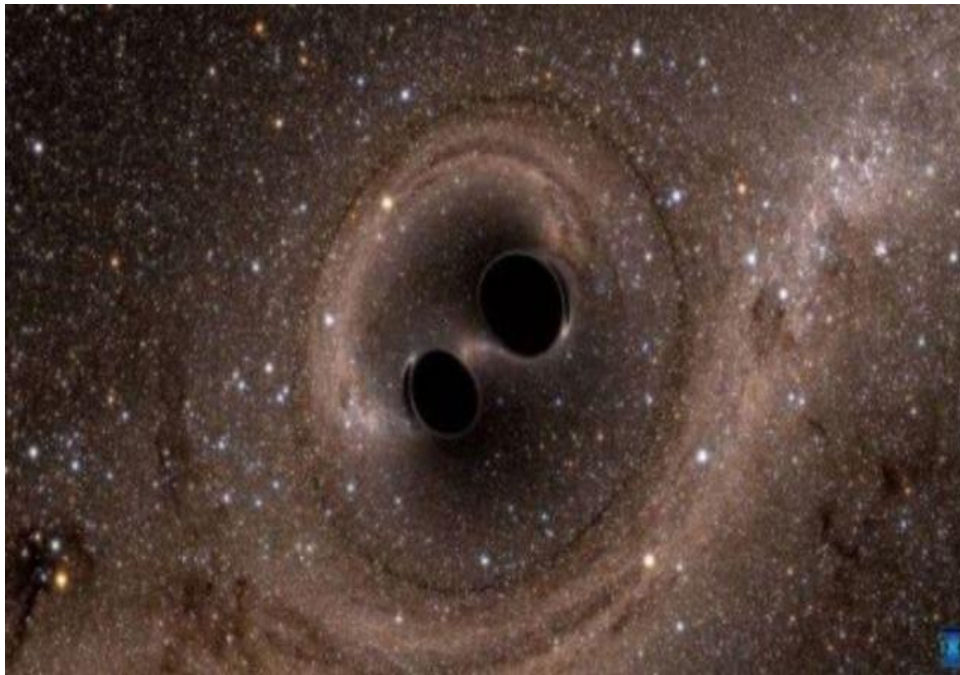
- ❖ An India-specific cancer multi-omics data portal has been launched by Indian Cancer Genome Atlas (ICGA).
- ❖ It provides open access to clinically correlated information from Indian cancer patients.

- ❖ It includes DNA, RNA, and protein profiles of breast cancer patients, linked with clinical outcomes.
- ❖ It aims to help the researchers and clinicians develop personalised treatment protocols.

SCIENCE AND TECHNOLOGY

Palomar 5

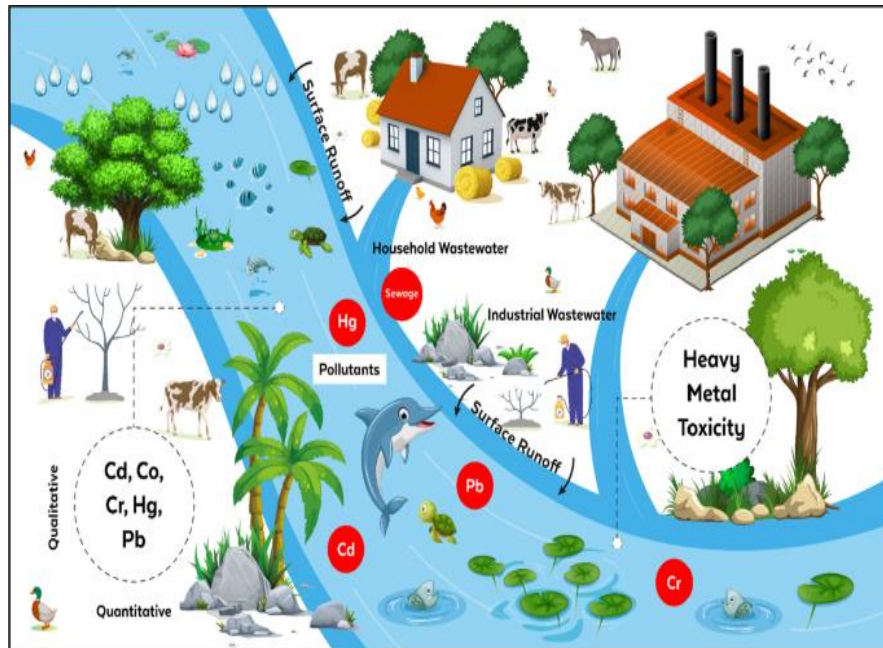
- ❖ A stellar cluster, known as Palomar 5, is located around 80,000 light-years away from Earth.
- ❖ This may harbour a hidden swarm of over 100 stellar-mass black holes.
- ❖ This star cluster extends across 30,000 light-years.
- ❖ It is typically containing between 100,000 and 1 million ancient stars.



IISc's Sulphidated

- ❖ Researchers at the Indian Institute of Science (IISc) have developed a nano material-based solution to address heavy metal contamination in water.
- ❖ The team has developed an innovative nanomaterial that could help clean up chromium-contaminated groundwater.
- ❖ The material is called 'sulphidated' carboxymethyl cellulose-stabilised nanoscale zero-valent iron (S-CMC-nZVI).

- ❖ It has shown remarkable efficiency in removing hexavalent chromium, a toxic form of the metal, from water.



Saturn-like ring on Earth



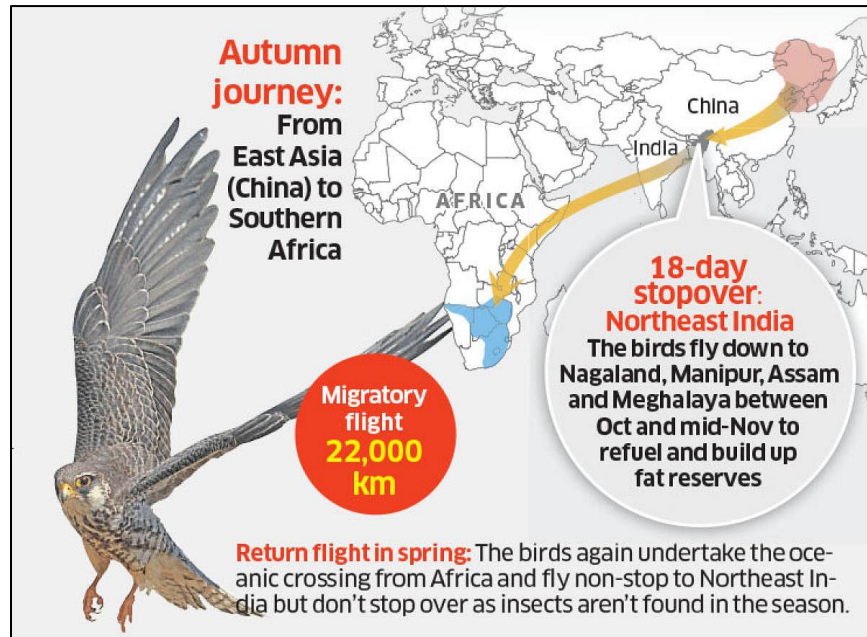
- ❖ Recent study suggests that earth once had Saturn-like rings that, influencing the climate of the planet.
- ❖ The existence of such a ring, forming around 466 million years ago and persisting for a few tens of millions of years.

- ❖ Analysis of 21 crater sites dated to between 488 million and 443 million years ago to the Ordovician period, found that the impacts all occurred close to the equator.

STATES

Amur Falcons - Tamenglong district (Manipur)

- ❖ Tamenglong district gears up to welcome Amur falcon (*Falco Amurensis*).
- ❖ The district administration has imposed a ban on hunting, catching, killing and selling of the bird, locally known as 'Kahuaipuina', with immediate effect.
- ❖ The migratory birds arrive in parts of Tamenglong and bordering areas from their breeding grounds in Northern China, Eastern Mongolia and far East Russia.
- ❖ The district administration also organises 'Amur Falcon' festival annually.



PERSONALITIES, AWARDS, AND EVENTS

Jackson Hole Symposium 2024

- ❖ The Jackson Hole Economic Policy Symposium is an important event for the global economy was held in Jackson Hole, Wyoming, USA.
- ❖ This annual gathering has become a key platform where the central bankers, economists, and policymakers from around the world come together to discuss the most pressing issues in global economics.

- ❖ It is known for its exclusive nature, with only about 120 participants, including Federal Reserve officials.



IMPORTANT DAYS

International Coastal Clean-up Day 2024 - September 21

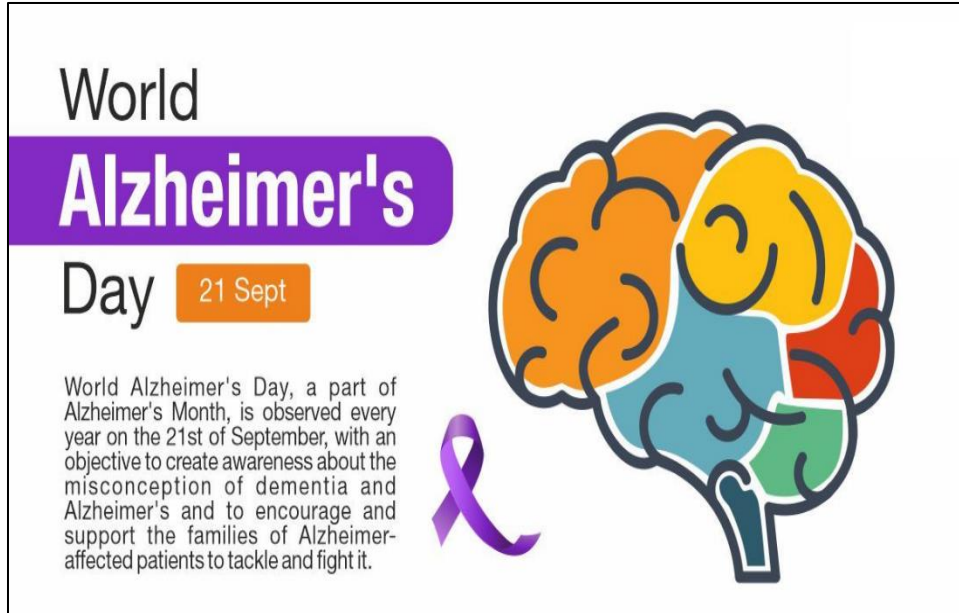


- ❖ This day is annually observed across the world on the 3rd Saturday of September.
- ❖ It aims to raise the public awareness about coastal cleanliness and the adverse impact of pollution on marine life.
- ❖ The theme of 2024 is 'Sea the Change'.
- ❖ The Indian Coast Guard has been coordinating this day's activity in India since 2006.

World Alzheimer's Day 2024 - September 21

- ❖ It aims to raise the awareness about Alzheimer's disease and dementia, promote understanding, and combat the stigma surrounding these conditions.

- ❖ This day was first launched in 1994 by Alzheimer's Disease International (ADI) to mark the 10th anniversary of the organisation.
- ❖ The theme for 2024 is "Time to act on dementia, Time to act on Alzheimer's."
- ❖ Alzheimer's disease causes the brain to shrink and brain cells to eventually die.



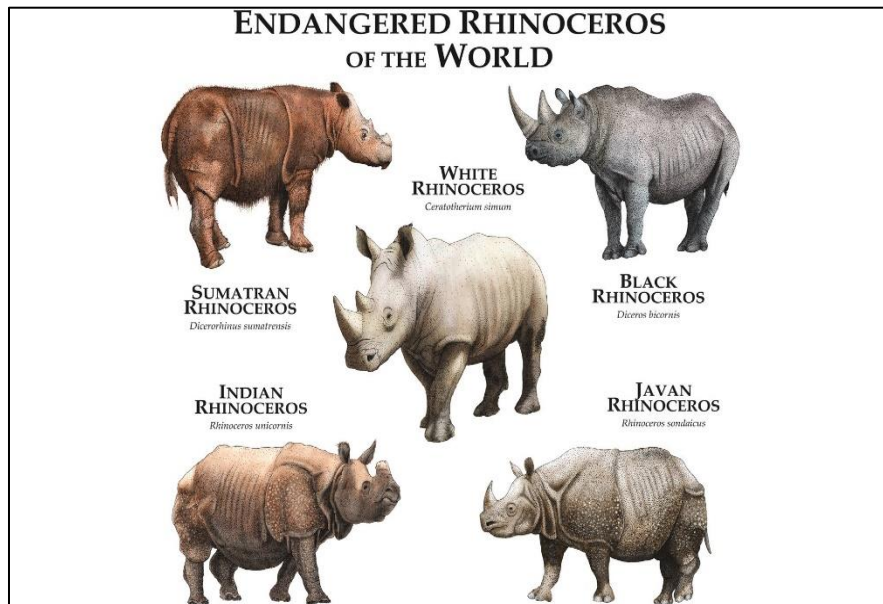
International Red Panda Day 2024 - September 21



- ❖ This day is celebrated on the third Saturday in September.
- ❖ It aims to spread awareness regarding yet another species that is near extinction.

- ❖ The red panda is a tiny tree-dwelling mammal located in the woodlands of India, Nepal, Bhutan, and the northern mountains of Myanmar and southern China.
- ❖ The red panda or *Ailurus fulgens* as it is known to science, was first described by Cuvier in 1825.

World Rhino Day 2024 - September 22



- ❖ It aims to raise the awareness about the rhinoceros and the urgent need for their conservation.
- ❖ There are five rhino species such as Javan, Sumatran, Black, Greater One-Horned, and White rhinos.
- ❖ Theme for 2024 is 'Keep the Five Alive'.

MISCELLANEOUS

100 years of ICAR-NISA

- ❖ ICAR-NISA was established in 1924 as Indian Institute of Natural Resins and Gums, in Ranchi, Jharkhand.
- ❖ It was renamed in 2022 as ICAR-NISA and comes under Ministry of Agriculture and Farmers' Welfare.
- ❖ It involves adding value to primary agricultural products and related activities like beekeeping, poultry farming, and agritourism.

- ❖ It includes processes converting agricultural produce, residues, and by-products into high-value items for food, industrial, and medicinal uses.

