

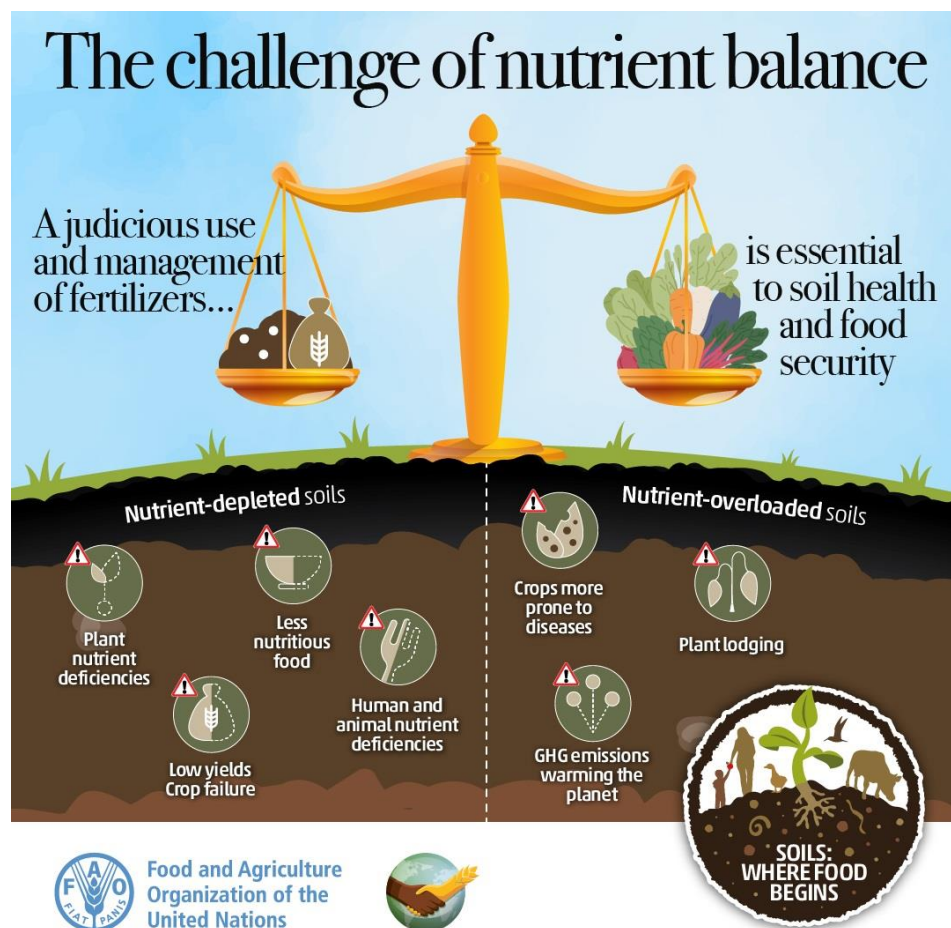
September - 01

TNPSC BITS

- ❖ The President of India unveiled a postage stamp as a tribute to Dadi Prakashmani, the former chief of Brahma Kumari's.

NATIONAL

Soil Micronutrients' Impact on Human Health



- ❖ The paper, titled Soil micronutrients linked to human health in India, was published recently.
- ❖ Over 35 per cent of the soil in the country was estimated to be deficient in zinc.
- ❖ About 11 per cent estimated to be deficient in iron.
- ❖ Higher levels of soil zinc had lower rates of child stunting and underweight.

- ❖ Soil zinc availability is associated with an increase in the height of women.
- ❖ Soil iron availability is correlated with anaemia among women and haemoglobin levels in both children and women.
- ❖ India has roughly a third of the global population suffering from micronutrient deficiency.

INTERNATIONAL

B20 Summit India 2023



- ❖ The three-day B20 summit was hosted by India at Delhi.
- ❖ The theme of event was “R.A.I.S.E.”- Responsible, Accelerated, Innovative, Sustainable and Equitable Business.
- ❖ India officially handed over the B-20 (Business 20) presidency to Brazil.
- ❖ It is the official G20 dialogue forum from with the global business community.
- ❖ Established in 2010, B20 is the most prominent Engagement groups in G20.
- ❖ The next G20 summit will be held at Brazil in 2024.

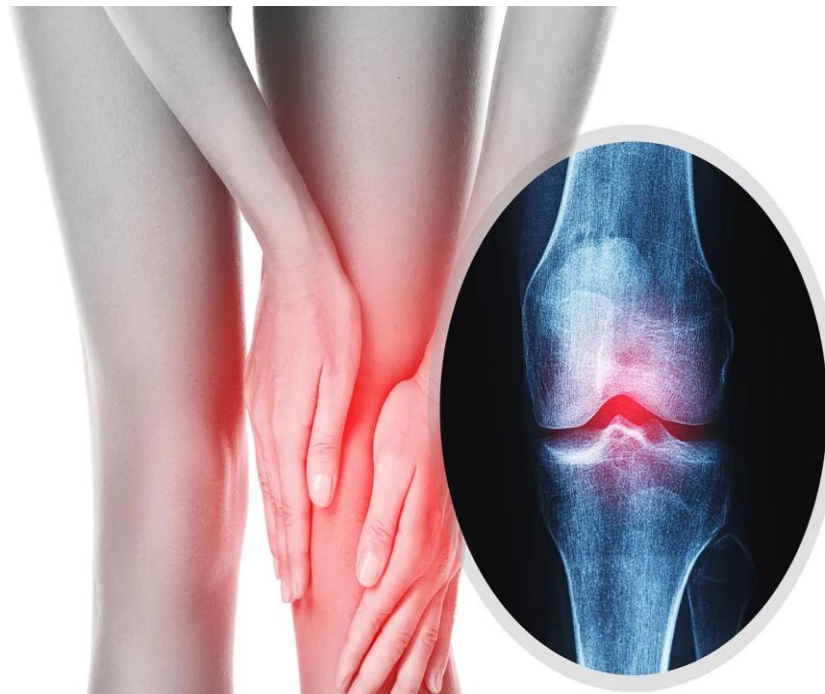
Ban on Abayas

- ❖ France has enforced a strict ban on religious signs in state schools.
- ❖ It has banned children from wearing the abaya in state-run schools.
- ❖ Abaya is the loose-fitting, full-length robes worn by some Muslim women.

- ❖ In 2004, it banned headscarves in schools and passed a ban on full face veils in public in 2010.



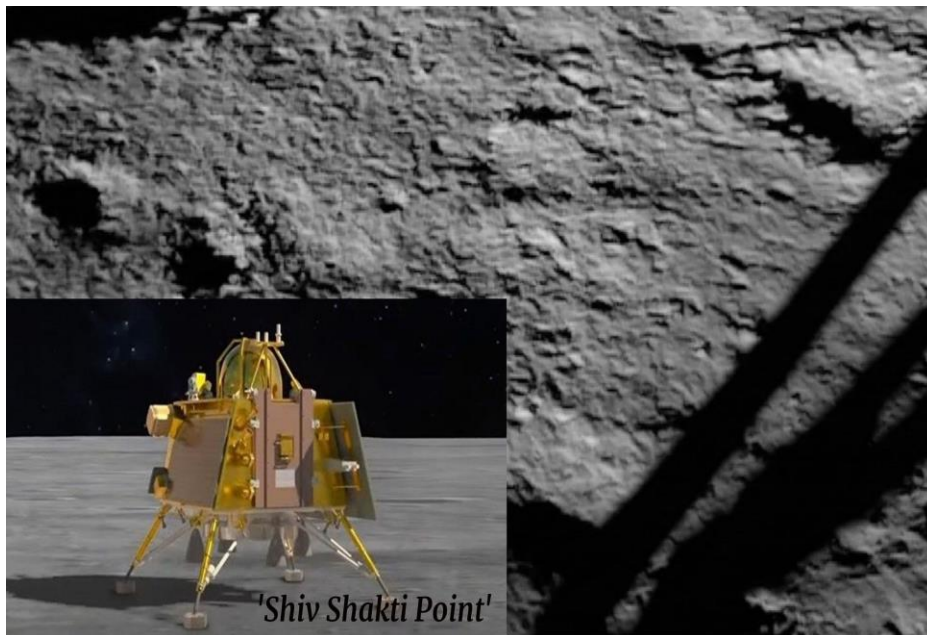
Osteoarthritis in 2050



- ❖ By 2050, nearly one billion people globally are projected to be living with osteoarthritis.
- ❖ Currently, 15 per cent of the world's population aged 30 years or above experience osteoarthritis.

- ❖ In 2020, 595 million people were found to be affected by osteoarthritis.
- ❖ It is a 132 per cent increase from 256 million people in 1990.
- ❖ In 1990, obesity was found to be responsible for 16 per cent of the disability due to osteoarthritis.
- ❖ It had risen to 20 per cent in the year 2020.
- ❖ In 2020, 61 per cent of osteoarthritis cases were in women versus 39 per cent in men.

Naming of space objects



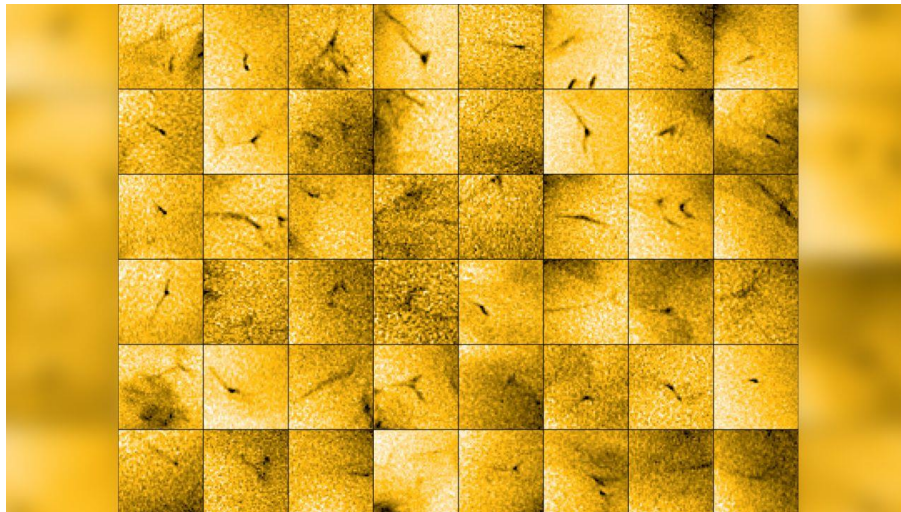
- ❖ India named the Chandrayaan-3 lander touched down region as Shiv Shakti.
- ❖ The Moon does not come under the jurisdiction of any one country.
- ❖ But, the International Astronomical Union (IAU) determines some other rules for Space activities.
- ❖ The IAU has been the arbiter of planetary and satellite nomenclature since its inception in 1919 and India is among its 92 members.
- ❖ Many mission sites first see names being given to them informally.
- ❖ These names are later submitted to the IAU for approval.
- ❖ The Working Group of IAU handles the naming process.
- ❖ The decisions and recommendations are not enforceable by any national or international law.

- ❖ Upon successful review by vote of the members of the WGPSN, names are considered approved as official IAU nomenclature.
- ❖ Then the names can be used on maps and in publications.

SCIENCE AND TECHNOLOGY

Tiny Jets

- ❖ The ESA/NASA Solar Orbiter spacecraft has discovered a multitude of tiny jets of material escaping from the Sun's outer atmosphere.
- ❖ Each jet lasts between 20 and 100 seconds, and expels plasma at around 100 km/s.
- ❖ These jets could be the long-sought-after source of the solar wind.
- ❖ The solar wind consists of charged particles, known as plasma, that continuously escape the Sun.
- ❖ It propagates outwards through interplanetary space, colliding with anything in its path.
- ❖ When the solar wind collides with Earth's magnetic field, it produces the aurorae.

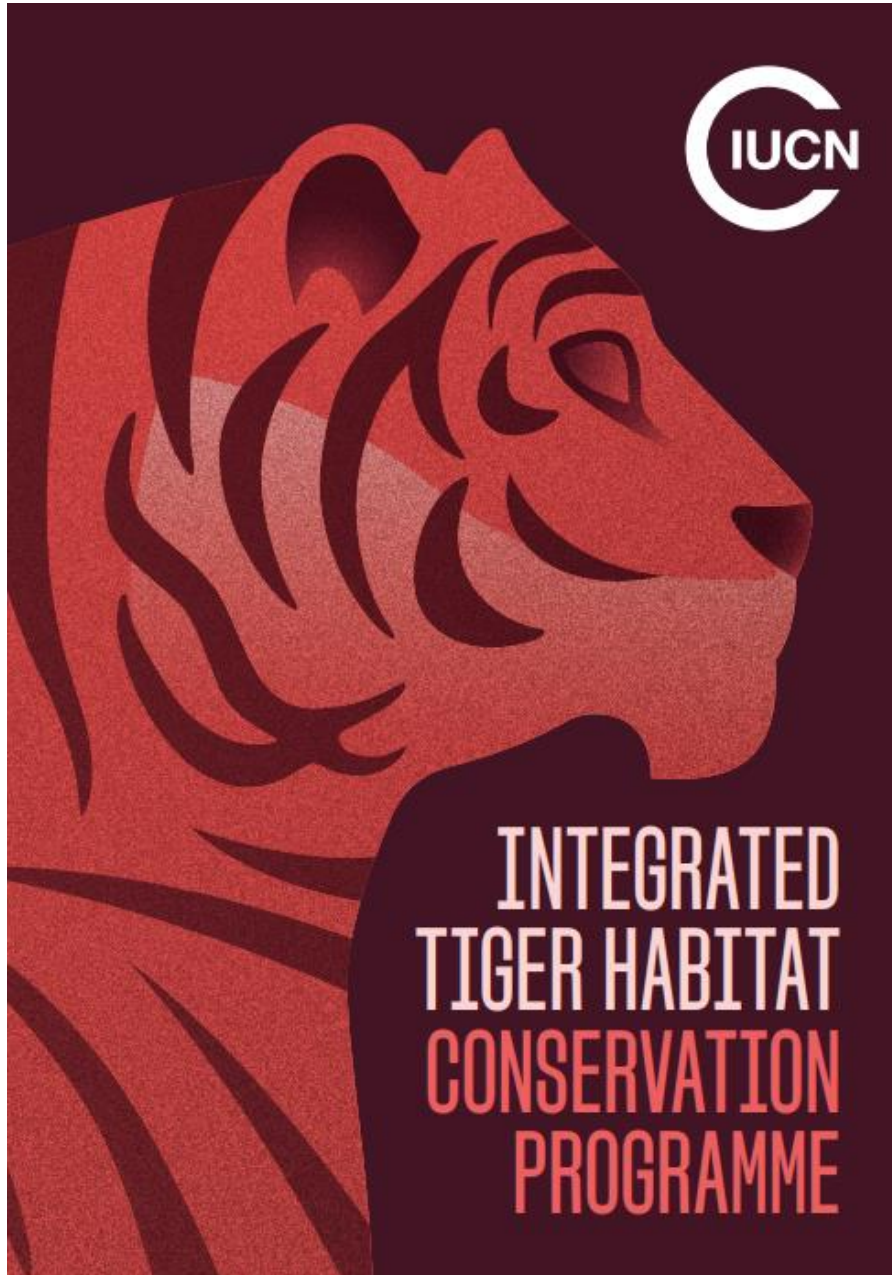


ENVIRONMENT

Call for Concept Notes

- ❖ The Integrated Tiger Habitat Conservation Programme (ITHCP) has launched a Call for Concept Notes for Phase IV of the Tiger Programme.
- ❖ It aims to further protect big cats and their environments.

- ❖ This phase expands eligibility to include species beyond tigers.
- ❖ Leopards and both mainland and Sunda clouded leopards are now eligible for funding.



World's First Ethanol-Run Toyota Innova car

- ❖ Union road transport and highways minister Nitin Gadkari, unveiled a 100 per cent ethanol-fuelled variant of Toyota's Innova HyCross car.
- ❖ This car is said to be the world's first BS-VI (Stage-II), electrified flex-fuel vehicle.

- ❖ Flexible fuel vehicles (FFVs) have an internal combustion engine and are capable of operating on petrol and any blend of petrol and ethanol.
- ❖ Last year, a hydrogen-powered car, the Toyota Mirai EV, was launched by the union minister to promote alternative and green fuel energy.



STATES

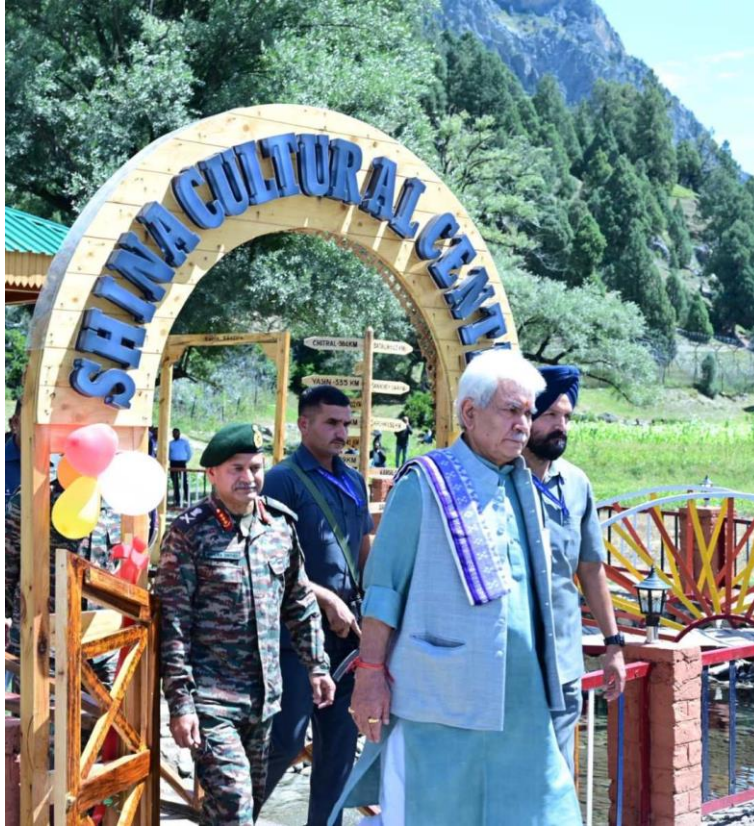
Solar Roof Cycling Track



- ❖ Hyderabad setup a first-of-its-kind sustainable solar roof cycling track near the Outer Ring Road.

- ❖ This is inspired by the South Korean bike highway with solar panels.
- ❖ It aims to ensure a better experience for cyclists.

Shinon Meeras



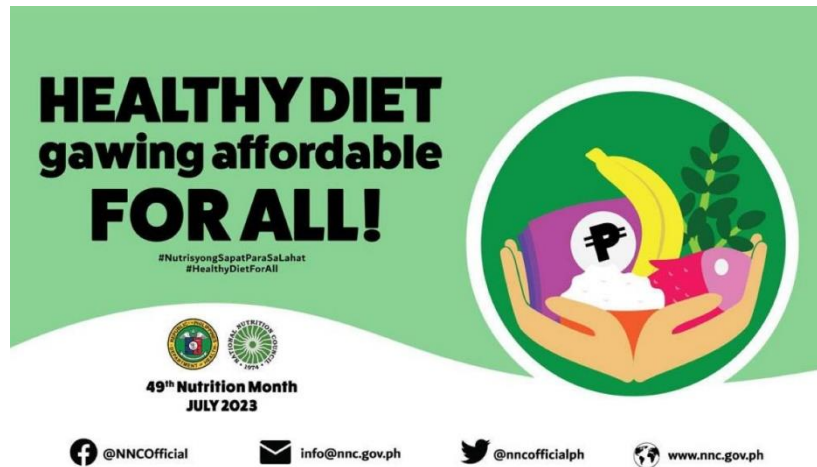
- ❖ The 'Shinon Meeras', the Shina Cultural Centre, was inaugurated in Jammu and Kashmir.
- ❖ It is developed by the Indian Army and District Administration to the people of Dard-Shin community.
- ❖ The Cultural Centre is a unique tribute to preserve and promote glorious artistic heritage of Dard-Shin tribal community.

IMPORTANT DAYS

National Nutrition Week 2023 – September 01/07

- ❖ It aims to raise awareness among people about the value of healthy eating practices and proper nutrition for upholding a healthy lifestyle.
- ❖ This week-long program is conducted by The Food and Nutrition Board of India.

- ❖ This board works under the aegis of the Ministry of Women and Child Development.
- ❖ It was first observed in India in 1982.
- ❖ Theme for 2023 is “Healthy Diet Gawing Affordable for All”.



MISCELLANEOUS

Priest of Pacopampa



- ❖ Peruvian archaeologists were found 3000-year-old remains at the Pacopampa Archaeological Complex.
- ❖ It is believed to be one of the first priests of the ancient north Andean region.
- ❖ It is dubbed as the ‘Priest of Pacopampa’.

- ❖ Surrounding the priest were small, spherical ceramic bowls.
- ❖ Together, the body and items were burned beneath 6 layers of black earth mixed with ash.
- ❖ Two decorated bowls which might have been used for ritual body painting for a member of the Pacopampan elite.
- ❖ Two seals found which displaying a human-like face facing east and a west-facing jaguar.

