

## Prelim Bits 13-12-2022 | UPSC Daily Current Affairs

### Orion - Artemis 1

*The Orion capsule splashes down in the Pacific Ocean marking the end of the inaugural Artemis 1 lunar mission.*

- The Orion spacecraft is specifically designed to carry astronauts into deep space on future missions.
- The Orion spacecraft in Artemis 1 carried a simulated crew of three mannequins wired with sensors.
- The mannequins are made of material that mimic human bones, skin, and soft tissue and equipped with a host of sensors to record the various impacts of deep-space atmosphere on the human body.
- **Skip Entry** - Orion capsule landed in the Pacific Ocean performed 'skip entry' landing technique.
- This is a new landing technique designed to help the spacecraft accurately splash down at the landing site.
- Orion enters the Earth's upper atmosphere and used the atmosphere and its lift to 'skip' back outside the atmosphere.
- Then re-enter for final descent under parachutes and splashdown. It's a little like skipping a rock across the water in a river or lake.

### Artemis 1

- Artemis 1 is the first in a series of missions that are planned to take humans back to the Moon.
- Artemis 1 is an unmanned lunar Orbiter mission with Orion Space Capsule.
- It also explores the possibilities of extended stay in the moon and to investigate the potential to use the Moon as a launch pad for deep space explorations.

*NASA's previous moon landing missions were named after Apollo. Artemis is Apollo's mythological twin sister.*

### References

1. [Indian Express - Orion splashdown](#)
2. [NASA - Orion Spacecraft: Skip Entry](#)

### Unakoti - Angkor Wat of North East

*Unakoti, the chiselled 'Angkor Wat of the North-East' is competing for a UNESCO world*

*heritage classification.*

- Unakoti means one less than a crore in Bengali and in the local Kokborok language, it is called Subrai Khung.
- Unakoti is a Saivite pilgrimage site with marvellous rock carvings, murals with their primitive beauty and waterfalls.
- The site is nestled in the Raghunandan hills in Unakoti District of Tripura.
- The site dating back to the 7th-9th centuries is now under Archaeological Society of India (ASI).
- **Rock Sculptures** - There are two types of images found at Unakoti
  1. Rock-carved figures
  2. Stone images
- Among the rock-cut carvings, the central Shiva head and gigantic Ganesha figures are prominent.



- **The central Shiva head** - Also known as Unakotiswara Kal Bhairava.
- The head is about 30 feet high, including an embroidered head-dress which itself is 10 feet high.
- On each side of the head-dress of the central Shiva, there are two full-size female figures - one of Durga standing on a lion and another female figure on the other side.
- In addition, 3 enormous images of Nandi Bull are found half-buried in the ground.

*Hindu mythology says that Lord Shiva once spent a night here on way to Kashi. Unakoti or one less than a crore gods and goddesses followed him.*

- **Ashokastami Mela** - Thousands of pilgrims visit this site every year during 'Ashokastami Mela' which takes place in the month of April.
- **Angkor Wat of North-East** - The structures of the rock-cut sculptures are gigantic and have distinct mongoloid features.
- They display almost the same mystical charm as in the Angkor Wat temple of Cambodia and hence got the name.

## References

1. [Hindustan Times - Unakoti is vying for world heritage tag](#)
2. [Indian Express - All about Tripura's Unakoti](#)
3. [Economic Times -Unakoti being pitched for world heritage tag](#)

## Lisu Wren Babbler

*A potentially new species of Wren Babbler was discovered at a remote corner of Arunachal Pradesh.*

- A team of birdwatchers set out in search of the rare Grey-bellied Wren Babbler in the Mugaphi peak.
- They spotted a song bird similar to the Grey-bellied Wren Babbler, but sounded different.
- This new species of wren babbler has whitish belly and sings similar to the songs of the Naga wren babbler.
- The team has named (English name) the bird they found 'Lisu Wren Babbler', after the Lisu community of the state.

## Grey-bellied Wren Babbler



- Grey-bellied Wren Babbler (*Spelaornis reptatus*), a song bird was recognised as a distinct species in 2008.
- It is mostly found in Myanmar with some birds occurring in adjoining China and Thailand.
- The wren babbler has grey coloured bellies.
- There has been only one reported spotting of the bird in India back in 1998.
- Two specimens of the species were collected from the same mountain.
- **IUCN Status** - Least concern

## References

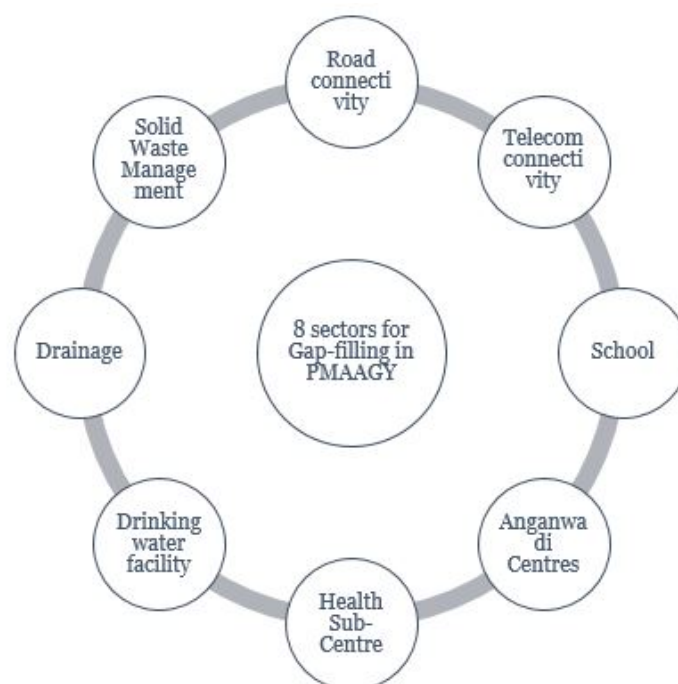
1. [Hindustan Times - New songbird found in Arunachal Pradesh](#)

2. [Sentinel Assam - New songbird species discovered in Arunachal](#)
3. [The Print - New species of wren babblers found](#)

## PM Adi Adarsh Gram Yojana

*Pradhan Mantri Adi Adarsh Gram Yojana aims at transforming 36,428 villages with significant tribal population into model village.*

- The existing Scheme of 'Special Central Assistance to Tribal Sub-Scheme (SCA to TSS)' was revamped with nomenclature 'Pradhan Mantri Adi Adarsh Gram Yojana (PM-AAGY)'.
- Ministry of Tribal Affairs has revamped this scheme for implementation during 2021-22 to 2025-26.
- **Aim** - Mitigating gaps and providing basic infrastructure in villages with significant tribal population.
- **Objective** - To achieve integrated socio-economic development of selected villages through convergence approach. It includes following components
  1. Preparing Village Development Plan based on the needs, potential, and aspirations;
  2. Maximizing the coverage of individual / family benefit schemes of the Central / State Governments;
  3. Improving the infrastructure in vital sectors like health, education, connectivity and livelihood;
- **Adarsh Gram** - The scheme now works at transforming villages with significant tribal population into model village (Adarsh Gram) covering about 40% of the total Tribal Population.
- It is envisaged to cover 36,428 villages having at least 50% tribal population and 500 STs across States / UTs with notified STs.
- The scheme envisions to mitigate gaps prominently in 8 sectors of development.



## References

1. [PIB - Pradhan Mantri Adi Adarsh Gram Yojana](#)
2. [The Hindu - 36,428 villages to be developed as 'model tribal villages](#)

## Emotional Labour

*A survey shows emotional labour falls to women in the workplace and at home than men.*

- The process of managing, modulating and suppressing one's emotions to fulfil expectations from others or to achieve professional goals is called 'Emotional labour'.
- The marginalised people have to deal with this extra invisible work while living within systems that oppress them.
- Emotional labour was never intended to be a gendered term, but it falls disproportionately on women.
- Women are fearful of being seen as difficult and more likely to agree to take on the invisible and unpaid labour that detracts from their other responsibilities.
- In academia, Black and brown women may have to perform more emotional labour than men and white women.
- American sociologist Arlie Hochschild first introduced the concept of emotional labour in 1983 in her book 'The Managed Heart'.
- In her book, she refers emotional labour as the need to induce or suppress feeling in order to sustain the outward countenance that produces the proper state of mind in others.

## References

1. [The Hindu - Emotional labour - what it is?](#)

