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Daily Current Affairs Encyclopedia

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Leave benefits for women in armed forces



Context

Defence Minister has approved a proposal to **grant** maternity, childcare and child adoption leave to women soldiers, sailors, and air warriors on a par with the officers.

Key points

- The move was in line with the vision of "inclusive participation" of all women in the armed forces, irrespective of their ranks.
- At present, women officers get maternity leave of 180 days with full pay for each child, subject to a maximum of two children.
- Childcare leave of 360 days is granted in total service career (subject to the child being less than 18 years of age) to women officers.
- Child adoption leave of 180 days is granted after the date of the valid adoption of a child below one year of age.

Air pollution in states

Context

Delhi and parts of the surrounding States of Punjab, Haryana and Uttar Pradesh encounter their annual air quality inflection point.

Reasons for pollution of North India in winters

- Stubble Burning
- Geographical location
- Temperature inversion
- Firecrackers due to festive season
- Vehicular Pollution
- Construction

About CAQM

- CAQM stands for Commission for Air Quality Management.
- CAQM is a statutory mechanism to coordinate and oversee diverse efforts to improve air quality in Delhi, Punjab, Haryana, Rajasthan and UP, with the underlying remedial approach.

Russia test-fires nuclear-capable ballistic missile from submarine

Context

- Russia had successfully test-launched an intercontinental ballistic missile capable of carrying nuclear warheads from one of its submarines.
- The launch of the "Bulava" missile comes as



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Russia ramps up nuclear rhetoric since revoking its ratification of a key nuclear test ban treaty

About Nuclear Test Ban Treaty

- The Comprehensive Test Ban Treaty prohibits "any nuclear weapon test explosion or any other nuclear explosion" anywhere in the world.
- The treaty was opened for signature in September 1996, and has been signed by 187 nations and ratified by 178.
- The treaty cannot formally enter into force until it is ratified by 44 specific nations, eight of which have yet to do so: India, China, Pakistan, North Korea, Israel, Iran, Egypt, and the United States.
- In order to verify compliance with its provisions, the treaty establishes a global network of monitoring facilities and allows for on-site inspections of suspicious events.
- Since the conclusion and opening for signature of the CTBT, nuclear testing has become taboo.
- Today, even those nuclear-armed states that have not signed or not ratified the CTBT, including India, Israel, and Pakistan, observe nuclear testing moratoriums.
- Only one country has conducted nuclear test explosions in this century, and even that country— North Korea—halted nuclear testing in 2017.
- Although the CTBT has not formally entered into force, the treaty has, for now, achieved its primary goal: ending nuclear weapon test explosions.

Enemy property' Butler Palace to turn into a tourist haven

Context

Lucknow's once-grand three-storey Butler Palace, left deserted and in darkness for many decades, will see a facelift.

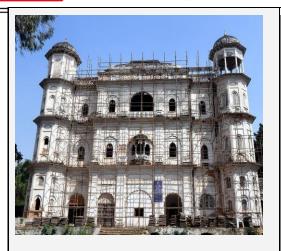
Key points

- Built a century ago, the palace is a mix of Rajasthani and Indo-Mughal styles
- The palace, originally built as the official residence of the Commissioner of Avadh, Harcourt Butler, in 1915, was owned by the royal family of Mahmudabad.
- By its own account, the family migrated to India in the 13th century and settled in erstwhile Avadh,



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- current Lucknow, in the 16th century, and owed allegiance to the Mughals.
- Mohammed Amir Ahmad Khan, the king at the time of Independence, migrated to Pakistan, while his son Mohammad Amir Mohammad Khan, stayed on in India as a citizen, fighting a legal battle over several properties, including Butler Palace.
- After the India-Pakistan war in 1965, Butler Palace was declared "enemy property" by the Government of India
- After being declared enemy property in the 1960s, the premises were handed over to the Uttar Pradesh government, who used it as a sales tax office.
- In the 1980s, it was given to the **Indian Council of** Philosophical Research, an organisation under the Union Human Resource Development Ministry.

Traffic Collision Avoidance Systems (TCAS)- Kavach

Context

The deadly collision between two passenger trains in southern India's Vizianagaram district in Andhra Pradesh which killed 14 people and injured fifty persons could have been averted if Traffic Collision Avoidance Systems (TCAS) were in place.

About TCAS - Kavach

- Kavach is a cab signalling train control system with anti-collision features.
- Simply put, it plays the role of a watchdog over the existing signalling system.
- It was developed over a period of 10 years, starting in 2012, by the Indian Railways Research Designs and Standards Organisation (RDSO).
- Kavach is designed to give out warnings to the loco pilot in case he does not notice the 'red signal,' and instead of stopping, is going to overshoot the signal.
- After giving warnings on the locopilot's display, if the pilot does not slow down below 15 kilometres per hour, the Kavach system automatically applies brakes to bring the train to a halt.

Athikadavu Avinashi Project

Context:

Farmers expressed disappointment over the delay in commissioning the Athikadavu Avinashi Project (AAP).

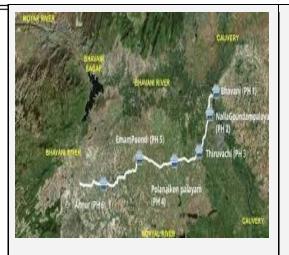
About Athikadavu Avinashi Project:

The Athikadavu Avinashi Project is a water





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- resources project in the Indian state of Tamil Nadu.
- The project aims to divert surplus water from the Bhavani River to the drought-prone regions of Coimbatore, Tiruppur, and Erode districts.
- The project will also help to recharge groundwater and improve the water supply for drinking and irrigation purposes.
- The project consists of a pumping station at Athikadavu, a 1,065 km pipeline network, and 1,300 valves.
- The Athikadavu Avinashi Project (AAP) was proposed in the 1960s and initiated in 2019

BirdMan Walk program



Context:

- The annual BirdMan Walk Program is held in the month of November.
- It marks the birth month of **Salim Ali**, the bird man in Tenkasi district.
- Eco-cultural search program is being conducted every month by Manimutthar Agathiyamalai Society's Environment Conservation Center.

About Birdman Walk Program:

- The Birdman Walk Programme is a unique initiative of the Tamil Nadu Forest Department
- It aims to promote birdwatching and raise awareness about conservation.
- The program was launched in 2016 and has been highly successful in attracting birdwatchers from all over India and the world.
- The walks are typically held in the early morning hours, when the birds are most active.

Stones laid for building stadia in nine constituencies by MK Stalin

In News: Stones laid for building stadia in nine constituencies by MK Stalin

 TN CM laid the foundation stones for the construction of mini stadia in nine assembly constituencies via video conference.

Key Points:

 The initiative will provide mini stadia to the assembly constituencies of Kolathur, Chepauk-Thiruvallikeni, Vaniyambadi, Gangeyam, Chozhavandhan, Thiruvaigundam, Alangudi, Karaikudi, and Padmanabapuram.

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50 Odonata species identified in Mudumalai Tiger Reserve



In News:

 Around 50 Odonata (the insect order comprising dragonflies) species were identified on the first day of the two-day Odonata survey that commenced in Mudumalai Tiger Reserve (MTR)

Key Points:

- It is the first time an Odonota survey has been conducted in MTR.
- Along with the forest department field-level staff, members of the Society for Odonata and volunteers of ACT NGO have been participating in the survey,
- The survey will reveal the population of dragonflies and damselflies along with other Odonata species in the coming days.
- A team of five members, consisting of students from Ooty Arts and Science College and Mettupalayam Research Institute with an Odonata expert, are involved in the counting of 37 forests.

Odonata Species



Odonata species:

- Odonata is an order of flying insects that includes the dragonflies and damselflies.
- There are over 5,000 species of Odonata in the world, and they are found on every continent except Antarctica.
- Odonata are characterized by their long, slender bodies, two pairs of transparent wings, and large compound eyes.
- They are also excellent fliers, and some species can reach speeds of up to 30 miles per hour.
- Odonata are carnivores, and they feed on a variety of insects, including mosquitoes, flies, and butterflies.
- They play an important role in the environment by helping to control populations of insect pests.





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