



05 July 2024

National and International News

<p><b>Megafauna</b></p>	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li>• <b>Archaeologists</b> in Prakasam, <b>Andhra Pradesh</b> have discovered a <b>41,000-year-old ostrich nest</b>.</li> <li>• This finding could offer <b>crucial insights</b> into the extinction of <b>megafauna</b> in the Indian subcontinent.</li> </ul> <p><b>About Megafauna:</b></p> <ul style="list-style-type: none"> <li>• The term "<b>megafauna</b>" is used to <b>describe animals weighing more than 50 kg</b>.</li> <li>• <b>Origin:</b> First used by English naturalist and explorer <b>Alfred Russel Wallace</b> in his 1876 book, <b>The Geographical Distribution of Animals</b>.</li> <li>• <b>Classification by Diet:</b> <ul style="list-style-type: none"> <li>○ <b>Megaherbivores:</b> Plant-eaters</li> <li>○ <b>Megacarnivores:</b> Meat-eaters</li> <li>○ <b>Megaomnivores:</b> Eat both plants and meat</li> </ul> </li> <li>• <b>Example:</b> Ostriches <ul style="list-style-type: none"> <li>○ <b>Diet:</b> Megaomnivores</li> <li>○ <b>Weight:</b> 90-140 kg</li> <li>○ <b>Height:</b> 7-9 feet</li> </ul> </li> </ul>
<p><b>Exercise ELEPHANT</b>      <b>NOMADIC</b></p>	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li>• The <b>India-Mongolia Joint Military Exercise NOMADIC ELEPHANT</b> is set to take place from 3rd to 16th July 2024 in <b>Umroi, Meghalaya</b>.</li> </ul> <p><b>About Exercise NOMADIC ELEPHANT:</b></p> <ul style="list-style-type: none"> <li>• <b>Participating Battalion:</b> SIKKIM SCOUTS, representing the Indian contingent.</li> <li>• <b>Indian Personnel:</b> 45 personnel from SIKKIM SCOUTS, along with other arms and services.</li> <li>• <b>Frequency:</b> <b>Annual</b> training event.</li> <li>• <b>Location:</b> Conducted alternately in India and Mongolia.</li> <li>• <b>Last edition:</b> Mongolia, July 2023.</li> <li>• <b>Aim:</b> <b>Enhance joint military capability for counter-insurgency operations</b> in sub-conventional scenarios under Chapter VII of the United Nations Mandate.</li> <li>• <b>Focus:</b> Operations in semi-urban and mountainous terrain.</li> </ul>
<p><b>Sampoornata Abhiyan</b></p>	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li>• <b>NITI Aayog</b> launched the '<b>Sampoornata Abhiyan</b>'.</li> </ul>



# Daily Current Affairs Encyclopedia

## About Sampoonata Abhiyan:

- **Date & Duration:**
  - Launched on 4th July **2024**
  - Campaign duration: 4th July to 30th September 2024
- **Coverage:**
  - 112 Aspirational Districts
  - 500 Aspirational Blocks
- **Goals: Achieve 100% saturation of 12 key social sector indicators across all Aspirational Districts and Blocks.**
- **Focus Areas of 'Sampoonata Abhiyan' in:**
  - **Aspirational Blocks key performance indicators:**
    - Percentage of pregnant women registered for Antenatal Care (ANC) within the first trimester
    - Percentage of persons screened for Diabetes against the targeted population
    - Percentage of persons screened for Hypertension against the targeted population
    - Percentage of pregnant women taking Supplementary Nutrition under the ICDS Programme regularly
    - Percentage of Soil Health Cards generated against the soil sample collection target
    - Percentage of SHGs that have received a Revolving Fund against the total SHGs in the block
  - **Aspirational Districts key performance indicators:**
    - Percentage of pregnant women registered for Antenatal Care (ANC) within the first trimester
    - Percentage of pregnant women taking Supplementary Nutrition under the ICDS Programme regularly
    - Percentage of children fully immunized (9-11 months) (BCG+DPT3+OPV3+Measles 1)
    - Number of Soil Health Cards distributed
    - Percentage of schools with functional electricity at the secondary level
    - Percentage of schools providing textbooks to children within 1 month of the start of the academic session.

Aditya-L1

## Why in the news?

- **ISRO's Aditya-L1 completes its first halo orbit around Sun-Earth L1 point.**

## About Aditya-L1:

- **Purpose:**
  - **India's first dedicated mission to study the Sun.**
  - **Aimed at observing and understanding the solar atmosphere, solar magnetic storms, and their impact on the Earth's climate.**



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	<ul style="list-style-type: none"> <li>● <b>Launch Details:</b> <ul style="list-style-type: none"> <li>○ Scheduled for launch by the Indian Space Research Organisation (ISRO).</li> <li>○ To be placed in a halo orbit around the Lagrange point 1 (L1) of the Sun-Earth system, approximately 1.5 million kilometers from Earth.</li> </ul> </li> <li>● <b>Objectives:</b> <ul style="list-style-type: none"> <li>○ Study solar upper atmospheric dynamics and the origin of solar wind.</li> <li>○ Observe solar flares and coronal mass ejections (CMEs).</li> <li>○ Investigate the impact of solar activities on space weather.</li> <li>○ Provide data for space weather prediction.</li> </ul> </li> </ul>
Rudram-1	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li>● India successfully test-fired its first indigenous anti-radiation missile, the Rudram-1, developed by the Defence Research and Development Organisation (DRDO) for the Indian Air Force (IAF).</li> </ul> <p><b>About Rudram-1:</b></p> <ul style="list-style-type: none"> <li>● <b>Development and Integration:</b> <ul style="list-style-type: none"> <li>○ Developed by the Defence Research and Development Organisation (DRDO).</li> <li>○ Integrated with the Indian Air Force's Sukhoi-30MKI fighter jets as the launch platform.</li> </ul> </li> <li>● <b>Features: First Indigenous Anti-Radiation Missile: India's first homegrown missile of this type.</b></li> <li>● <b>Navigation Systems:</b> <ul style="list-style-type: none"> <li>○ Inertial Navigation Systems (INS)-GPS navigation.</li> <li>○ Passive Homing Head for the final attack phase, ensuring accuracy in hitting radiation-emitting targets.</li> </ul> </li> <li>● <b>Technological Edge:</b> <ul style="list-style-type: none"> <li>○ INS-GPS navigation provides precise targeting across a wide range of frequencies.</li> </ul> </li> <li>● <b>Operational Range and Flexibility:</b> <ul style="list-style-type: none"> <li>○ <b>Launch Altitudes:</b> 500 meters to 15 kilometers.</li> <li>○ <b>Range:</b> Up to 250 kilometers, depending on launch conditions.</li> <li>○ <b>Speed:</b> Up to Mach 2</li> </ul> </li> </ul>



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