



04 June 2024

National and International News

<p>Postal Ballot</p>	<p>Why in the news?</p> <ul style="list-style-type: none"> • The opposition recently urged the Election Commission to prioritize the counting of postal ballots before finalizing the counting of Electronic Voting Machines (EVMs). • They cited concerns over a guideline change implemented in 2019. <p>About Postal Ballot:</p> <ul style="list-style-type: none"> • Postal ballot voting enables eligible voters to submit their votes via mail, providing a convenient option for those unable to visit polling places in person. • Eligibility Criteria: <ul style="list-style-type: none"> ○ Service Voters: <ul style="list-style-type: none"> ■ Members of the armed forces. ■ Paramilitary forces personnel. ■ Government employees assigned to election duties away from home. ○ Electors on Election Duty: <ul style="list-style-type: none"> ■ Government officials. ■ Polling staff working at polling stations outside their home areas. ○ Preventive Detention: Electors under preventive detention orders during the election period. ○ Essential Service Workers: <ul style="list-style-type: none"> ■ Authorized media personnel. ■ Railway and healthcare workers. ○ Absentee Voters: Individuals unable to vote in person due to work commitments, illness, or disability. ○ Senior Citizens and PwDs: <ul style="list-style-type: none"> ■ Senior citizens aged 80 and above. ■ Persons with Disabilities (PwDs), applicable in the 2020 Delhi Assembly elections.
<p>PraVaHa</p>	<p>Why in news?</p> <ul style="list-style-type: none"> • The Indian Space Research Organisation (ISRO) has developed a sophisticated Computational Fluid Dynamics (CFD) software named Parallel RANS Solver for

**Aerospace Vehicle Aero-thermo-dynamic Analysis (PraVaHa).**

- This software was developed at ISRO's Vikram Sarabhai Space Centre (VSSC).

About PraVaHa:

- **Capabilities:**
 - Simulates external and internal flows on: Launch vehicles, Winged and non-winged re-entry vehicles.
- **Essential for initial aerodynamic design studies,** evaluating numerous configurations.
- **Significance**
 - Aerospace vehicles face severe aerodynamic and aerothermal loads during launch or re-entry.
 - Understanding airflow around aircraft, rocket bodies, or Crew Module (CM) is crucial for designing shape, structure, and Thermal Protection System (TPS).
- **Role of Computational Fluid Dynamics (CFD):**
 - **Predicts aerodynamic and aerothermal loads.**
 - **Numerically solves conservation equations** of mass, momentum, and energy, along with the equation of state.
- **Application in Gaganyaan Program:**
 - **Used extensively for aerodynamic analysis** of human-rated launch vehicles:
 - HLVM3
 - Crew Escape System (CES)
 - Crew Module (CM)
 - Operational Capabilities
 - Simulates airflow for Perfect Gas and Real Gas conditions.

"Bank Clinic" initiative**Why in the news?**

- The **All India Bank Employees' Association (AIBEA)** has launched the **"Bank Clinic" initiative to help bank customers with grievance redressal.**

About "Bank Clinic" initiative:

- **Objective:** Assist bank customers with grievance redressal amid the rapid expansion of technology and RBI guidelines on retail banking.
- **Nature:** Non-resolving advisory platform guiding customers on remedies available per RBI guidelines.



	<ul style="list-style-type: none"> ● Registration: Customers register their complaints on the Bank Clinic website. ● Response Time: Customers receive a reply within five working days. ● Guidance Provided: Detailed remedies and relevant RBI guidelines for specific issues. ● Additional Channel: Serves alongside the normal Banking Ombudsman process. ● Goal: Ensure timely and effective redressal of customer issues. ● Limitation: Guides customers but does not directly resolve queries.
<p>Virus-like Particles (VLPs)</p>	<p>Why in news?</p> <ul style="list-style-type: none"> ● Scientists at the Institute of Advanced Virology (IAV), Thiruvananthapuram, made a significant advancement. ● They developed a novel method for generating non-infectious Nipah virus-like particles (VLPs). ● This development was achieved in a laboratory setting. <p>About Virus-like Particles (VLPs):</p> <ul style="list-style-type: none"> ● Definition: VLPs are molecules that resemble viruses but are non-infectious due to the absence of viral genetic material. ● Use in Vaccines: VLPs are used to create vaccines for diseases such as HPV, hepatitis B, malaria, and more. ● Mechanism: <ul style="list-style-type: none"> ○ VLPs mimic real viral molecules, triggering an immune response without causing disease symptoms. ○ After the immune response, the body recognizes and can prevent future infections by the actual virus, providing immunity.
<p>Chang'e-6</p>	<p>Why in news?</p> <ul style="list-style-type: none"> ● China's space agency announced a successful moon mission. ● An uncrewed spacecraft landed on the far side of the moon. <p>About Chang'e-6:</p> <ul style="list-style-type: none"> ● Mission Name: Chang'e-6 ● Objective: First human sampling and return mission from the far side of the moon



తెలుగు

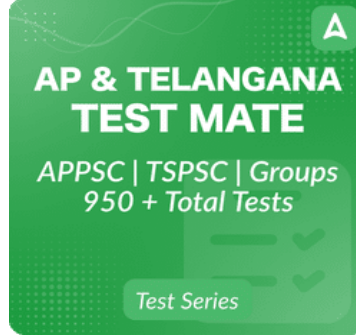
ADDAPEDIA

To get free Live Classes,
Materials Scan this QR Code &
Download our Adda247 App



Daily Current Affairs Encyclopedia

- **Landing Site:** South Pole-Aitken Basin on the back of the moon
- **Historical Context:**
 - Marks the **second successful mission to the far side of the moon**
 - China first accomplished this with Chang'e-4 probe in **2019**



Copyright © by Adda247

All rights are reserved. No part of this document may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior permission of Adda247.