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# Topic Wise Content



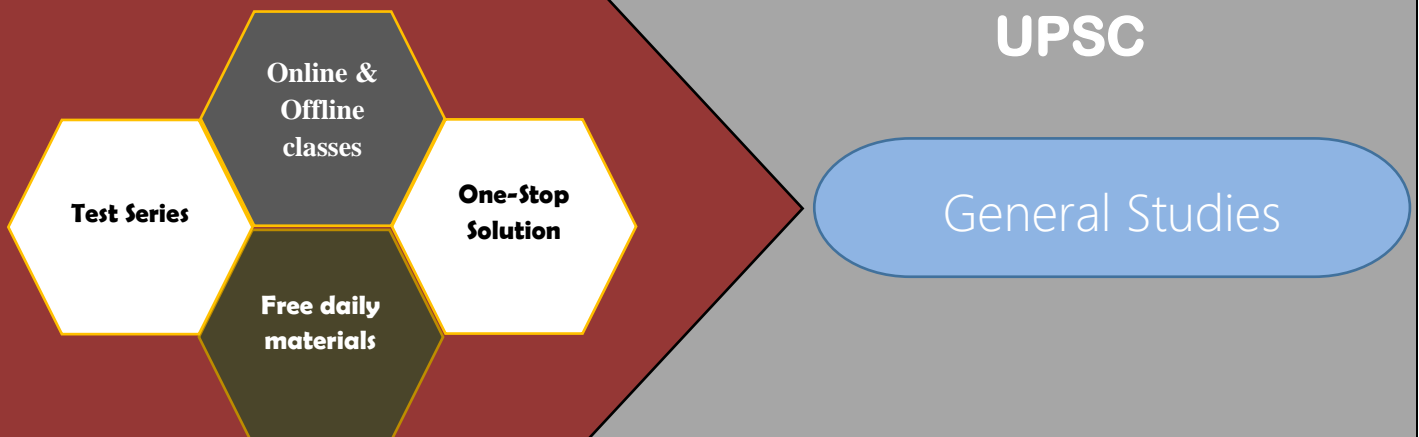
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## Vertical Launch Short Range Surface to Air

Notes for civil services preparation



## Vertical Launch Short Range Surface to Air Missile: DRDO

The **Vertical Launch Short Range Surface to Air Missile (VL-SRSAM)** was successfully flight tested by the **Defence Research & Development Organization (DRDO)** for the second consecutive time since February this year.

- It was launched from the **Integrated Test Range at Chandipur.**
- **About the VL-SRSAM:**
  - It is a **quick reaction surface-to-air-missile** indigenously designed and developed by DRDO for the **Indian Navy**, is **meant for neutralising various aerial threats at close ranges, including sea-skimming targets.**
  - The missile has an **operational range of 50 to km distance and features mid course inertial guidance through fiber optic gyroscope** and active radar homing in terminal phase
  - The launch of the system was **conducted to validate integrated operation of all weapon system components**, including the vertical launcher unit with controller, canisterised flight vehicle and weapon control system.
    - The successful testing of these systems is crucial for future launches of the missile from **Indian Naval ships.**
  - It will **further boost the defence capability of Indian Naval Ships against aerial threats.** It has also paved the way for integration of weapon systems onboard the Indian naval ships.
- **Developed By:**
  - The key DRDO facilities that contributed to the development of the system are the **Defence Research and Development Laboratory (DRDL)** and **Research Centre Imarat (RCI)**, both from Hyderabad, and **Research & Development Establishment (Engineers)**, based at Pune.