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Topic Wise Content



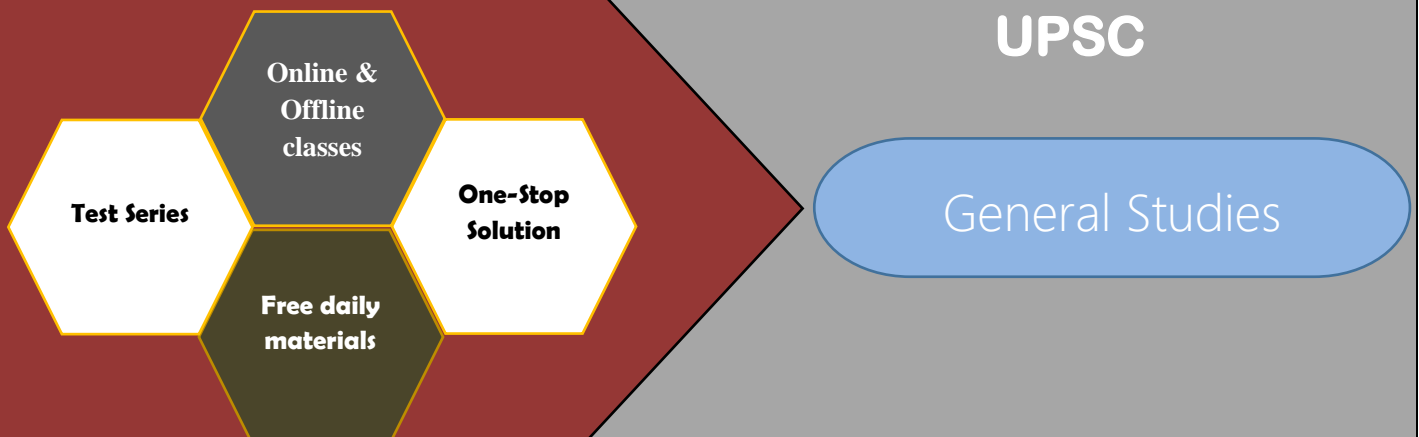
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ACROSS Scheme

Notes for civil services preparation



ACROSS Scheme

The Cabinet Committee on Economic Affairs approved the continuation of **Atmosphere & Climate Research-Modelling Observing Systems & Services (ACROSS)** Scheme along with its **eight sub-schemes to the next finance (15th) cycle of five years (2021-2026)**.

Key Points

- **About:**
 - It pertains to the atmospheric science programs of the Ministry of Earth Sciences (MoES) and **addresses different aspects of weather and climate services**.
 - Each of these aspects is incorporated as **eight sub-schemes under the umbrella scheme "ACROSS"**.
 - The sub-schemes are Commissioning of Polarimetric **Doppler Weather Radars (DWRs)**, Upgradation of Forecast System, Weather & Climate Services, Atmospheric Observations Network, Numerical Modelling of Weather and Climate, **Monsoon Mission III**, Monsoon Convection, Clouds and Climate Change (MC4) and High Performance Computing System (HPCS).
- **Implementation:**
 - It will be implemented by the **Ministry of Earth Sciences through its institutes** namely **India Meteorological Department (IMD)**, **Indian Institute of Tropical Meteorology (IITM)**, National Centre for Medium Range Weather Forecasting (NCMRWF), and **Indian National Centre for Ocean Information Service (INCOIS)**.
 - Each institute has a designated role for accomplishing the above task through the aid of eight schemes.
- **Significance:**
 - The scheme will provide **improved weather, climate and ocean forecast and services**. This would include warnings for **cyclones, storm surges, heat waves and thunderstorms**.
 - The whole process from generation of forecast to its delivery requires considerable manpower at every stage, thereby **generating employment opportunities for many people**.