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Topic wise content



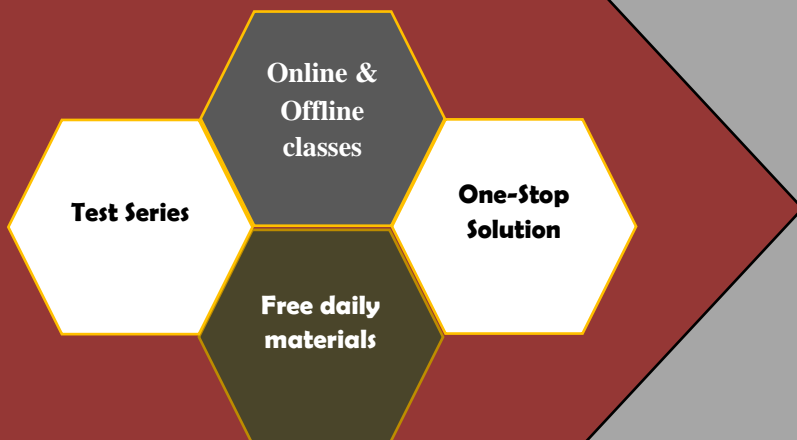
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Global Cybersecurity Index: ITU

Notes for civil services preparation



UPSC

General Studies

Global Cybersecurity Index: ITU

- Recently, **India has ranked tenth (10th) in Global Cybersecurity Index (GCI) 2020** by ITU (International Telecommunication Union) by moving up 37
- **Top countries:** USA (1st), UK and Saudi Arabia (2nd), Estonia (3rd)
- Performance is **based on five parameters of cybersecurity** – Legal measures, technical measures, organisational measures, capacity development, and cooperation

About India's performance

- India scored a total of 5 points
- India secured the **fourth position in the Asia Pacific region.**
- India is **emerging as a global IT superpower**
- There has been **substantial overall improvement and strengthening** of the cybersecurity

About International Telecommunication Union

- It is the United Nations specialized agency for information and communication technologies –
- Founded in 1865
- **Objective:** To facilitate international connectivity in communications
- **Headquarters:** Geneva,

Functions:

- It allocates global radio spectrum and satellite orbits
- Develops the technical standards that ensure networks and technologies seamlessly interconnect
- Strives to improve access to ICTs to underserved communities

Efforts to Improve Cyber Security in India

- **National Cyber Security Strategy 2020:** It is being formulated to improve cyber awareness and cybersecurity through more stringent
- **Draft Personal Data Protection Bill, 2018** (based on the recommendation of Justice BN Srikrishna Committee) to secure citizens' data.
- The scheme to set up **I4C (Indian Cyber Crime Coordination Centre)** was approved in October 2018, to deal with all types of cybercrimes in a comprehensive and coordinated manner.

- **National Computer Emergency Response Team (CERT-In)** functions as the nodal agency for coordination of all cyber security efforts, emergency responses, and crisis management.
- Protection and resilience of critical information infrastructure with the set up of **National Critical Information Infrastructure Protection Centre (NCIIPC)**.

