

Joint Doctrines for Cyberspace Operations & Amphibious Operations

Prelims: Current events of national and international importance

Why in News?

The Chief of Defence Staff (CDS) has made public India's joint doctrines for cyberspace operations and amphibious Operations that emerge guidance for integrated multi-domain warfare.

Amphibious Operations refer to military actions that are carried out from the sea by naval, air, and land forces to accomplish a mission on land.

- **Aim** - It outlines a unified approach to defend national cyberspace interests, integrating ***offensive and defensive*** cyber capabilities and enabling synchronized operations *across the three Services*.
- It stresses interoperability, rapid response capability and joint force application to influence operations ashore.
- It has initiated development of numerous new doctrines/primers covering contemporary as well as niche areas of war-fighting such as
 - Military Space Operations,
 - Special Forces Operations,
 - Airborne/Heliborne Operations,
 - Integrated Logistics,
 - Multi Domain Operations.
- **Advantages** - It emphasizes threat-informed planning, resilience building, real-time intelligence integration and development of joint cyber capabilities.
- *Protects critical infrastructure* such as power grids, defense networks, and communication systems from hostile actors.
- *Enhances military operations'* effectiveness by integrating cyber tools with traditional warfare tactics.

- Safeguarding India's maritime interests.
- *Promotes synergy* among the Army, Navy, and Air Force, reducing duplication of efforts.
- *Preparedness for hybrid warfare* by equipping forces to address combined threats involving cyber-attacks, sea control, and land combat.
- *Diplomatic signalling* i.e. communicates India's capability and determination to defend its multi-domain interests to the world.
- **Significance** – It underscores India's commitment to enhance visibility, accessibility and wider dissemination of joint war-fighting concepts.

Quick Facts

- **Cyberspace** – It is a worldwide domain made up of interconnected information systems, networks, and data infrastructures, which include the internet, intranets, communication satellites, and control systems.
- **Defensive Cyber Operations** – This entails protecting military and national networks from cyber threats like hacking, malware, and data breaches
- **Offensive Cyber Operations** – These concentrates on infiltrating adversary systems to incapacitate communications, disrupt command hierarchies, or impair essential infrastructure.

Reference

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