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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