

Q-11 "Technology has become a double-edged sword in the fight against Terrorism, it has increasingly leveraging advanced technology for recruitment, financing & executing attacks. Examine the ways in which technology is being used by terrorist groups. Highlight the challenges it poses to counter the technology advantages employed by terrorists."

**Introduction types**

**Data Oct 4 Example**

**We differentiate introduction interest possible to break the monopoly in your own hand**

**Can start taking examples like money along the border for drugs & arms**

**Ans:** Technology, a critical tool for counter-terrorism efforts, has been used by terrorist groups to execute attacks, which is a double-edged sword against Terrorism. Terrorists are increasingly utilizing Technology for recruitment and to execute attacks, which is a double-edged sword against Terrorism.

**Restatement of the question**

Tech. leveraging By Terrorists

① Recruitment :- These groups use social media platform to spread propaganda & radicalizing youths and recruits them. [ISIS has vast social media recruitment system, Facebook, twitter]

**leave some space in between your points**

② Financing :- Cryptocurrencies provide anonymity, allowing terrorists to finance with minimal detection. Ceg:- Crowd funding & online donations, money laundering

**you can go a step further and use specific example**

③ Communication :- End-to-End Encryption technology of whatsapp, signal like platforms, enables terror groups to communicate effectively.

④ Cyber-attacks :- They use cyber attacks such as, phishing, data breaching to destabilise economies, disrupt critical infra. [AUMIB Cyber Attack in Nov 2022]

5) Tech-weaponization - use of A.I. and other emerging technologies to do intelligence, smuggling, and carry out attacks.

(Increasingly seen along Pakistan border [in Punjab region]).

### Challenges to National Security

#### 1) Difficulty in Surveillance

- End-to-end Encryption.
- Dark web and anonymity, making it difficult for tracking.

#### 2) Rapid evolution of tech

• Govts are struggling to keep pace with rapid evolution of tech.  
(AI, Machine Learning)

#### 3) Cross-border Coordination

- Terror activities can be coordinated internationally rather than regional.

→ Cyberterrorism transcends national bound-aries, making it difficult for individual countries to counter their threats

### Counter Strategies for tech leveraging

#### 1) Strengthening Cyber Intelligence

↳ Investing in AI-driven surveillance, data analysis and support encryption breaking tech. to detect & neutralize threats.

2) Public-Private Partnerships - Collaboration with industry to leverage expertise & resources to counter threats.

Mention points like usage of crypto currency makes it difficult to trace funds

Regulatory cybersecurity info  
Cybersecurity info  
Skill building  
Add more points  
Presentation - stay but focus on utilization of space  
Keep writing !!

3)

Content is good  
→ work on your introduction

③ International Cooperation :- Strengthening legal frameworks for tracking cross-border digital transactions & fostering intelligence sharing. [The 5 eyes alliance Model].

Ex -

④ De-radicalization Programs :- using tech for counter-radicalization & digital literacy to prevent counter-radicalization online. crucial for curbing recruitment & propaganda.

not appropriate for.

Technology is essential in combating terrorism, its misused by terror organisations poses significant challenges,

A balanced approach combining advanced counter-terrorism tools & international cooperation is necessary to neutralize these threats effectively.

5.5

- you have to add more points especially in the end & add supports
- overall answer is decent
- try to collect specific examples from the newspapers.