

Date: 01/03/2022

## UPSC MAINS ANSWER WRITING

Q Under-reporting cyber security attacks affects cyber security architecture and data protection in the country. Analyse?

Ans:- All we know that cyber security is the protection of internet connected systems such as hardware, software and data from cyber threats.

Some of the few important points as follows:

(i) With an increasing numbers of users, devices and programs in the modern enterprise, combined with the increased deluge of data - much of which is sensitive or confidential - the importance of cyber security continues to grow.

(ii) India ranks high on a list of countries with data breaches compromising the privacy of individuals.

(iii) The recent cyber attacks on the fracking gas stations all over the country showed how vulnerable our IT infrastructure can be.

(iv) More than 60,000 cyber attacks were recorded in India in the last year, including one on the computer system of Air India, in which hackers managed to access the personal and financial information of 4.5 million customers worldwide.

(v) Name of the companies where cyber attacks

was occurred!

(a) Software solution provider, Mobikwik Systems Pvt. Ltd.

(b) Telecom service Airtel Ltd and the Indian units of Domino's Pizza Inc.

(vi) The overall figure for the period from January to June of last year, an almost threefold increase from 400,000 in 2019. That translates to almost 3,000 cases reported everyday of 2020.

(vii) India Information Technology Act entered the statute books in 2008 and went through its first major revisions in 2008. That pace is not rapid enough, when it comes to keeping up with technology.

(viii) We still don't have a clear data protection bill that protects citizen's data online. The Personal Data Protection Bill, which was first proposed in 2019, is still in progress.

In the end we can conclude that cyber security for our country's cyber security and data protection can be protect by building IT system and make sure it can't break the system again.