

Q How the technology of DNA tracking can be utilized to conserve the wildlife in the country? Explain

Ans:

During COVID-19 lockdown the poaching of wildlife animals has increased by 151% according to TRAFFIC Report.

→ There has been a direct attack on animals like Leopards, Tigers, Elephants and many others.

The cases have decreased from the past few years but still there are many cases coming daily.

Q The poaching of wildlife animals is done due to the requirement of meat, skin, hoard etc for the purpose of leather, seat cover, slipper etc

* Conservation of wildlife:

* Why?

→ The conservation of wildlife is needed because

→ to maintain the biodiversity

• The environment balance is needed. The animals consumers consume producers and other consumers animal to maintain the ecological balance.

→ to maintain the balance between Environment and Animal and Human life.

↳ If animal amount increases then then it will be danger to human life

→ If they get extinct then there will danger to human life and environmental balance.

* What = ?

→ Conservation is a process to to secure the wildlife animals for the balance of ecology and environment, and human life.

* Government Initiatives:

→ Govt launched many projects like Project Tiger, Project Elephant and etc.

→ Government also passed many laws like wildlife protection act 1972, Indian Forest Act etc.

• Under this law the Government has made various sections to protect the animals kept under it.

→ Govt also made many wildlife sanctuaries and National parks to maintain their life and their for growth of their breed.

* DNA tracking technology:

→ DNA stands for Deoxyribonucleic acid.

→ The illegal hunting and poaching, and kidnapping can be stopped or traced by using this method.

→ The tech. also helps to identify trade routes and hot spot point for poaching.

→ Can help to Increase their breeding.
• When kidnaped lost animals are found they can be identified & sent to for their best breeding location or hot spot.

Way forward:

→ The DNA tracking method can be used to rescue the animals from poaching hot spot if used properly and strictly. And this can be used for various other animals.