



INTERMEDIATE

Biology : Biotechnology principal and process

Hand Notes For JEE Mains, Advance, NEET UG, Class 11 & 12 etc...

Hand Notes

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Biototechnology \Rightarrow Principle & Processes

Biology + Technology.

Term by - Karl Ereky
(1970)

[for large scale production of
figs]

\rightarrow It is the use of living organism or their component - to generate product and services useful to human beings.

① Old/Traditional Biototechnology (Before 1970)

\rightarrow In this, the Natural efficiency of org. are use to produce useful product for human beings.

like - formation of Cheese, Bread, wine

② New/modern Biotech:

\rightarrow After 1970,

\rightarrow It is the productⁿ Tech. based on Genetic Engineering.

\rightarrow It is based on two main principle

Formation of Transgenic Org. or Gmo by the Tech. of Genetic Eng.

Maintenance of Transgenic Org. or Gmo

By Large Scale Culture

\rightarrow Involve Recombinant DNA (rDNA) Tech and Gene Transfer Tech

\Downarrow
Desired Product - is obtained.