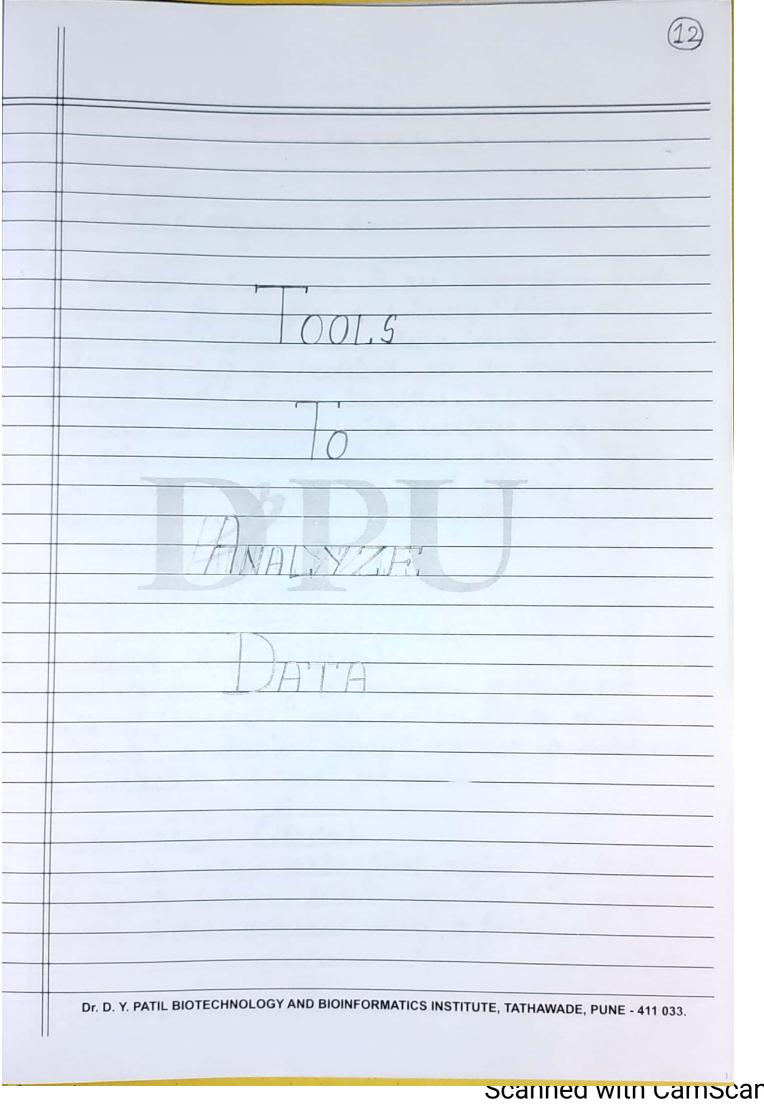


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PRACTICAL:-3

* BLAST:

(Basic local Alignment Search tool)

In Biologumatics, Blast is an algorithm and program for comparing primary biological sequences information, such as the amino acid sequence of proteins on the nucleotides of DNA and or RNA sequences. A BLAST search enables a researched to compare a subject protein or nucleotide sequence with a library or database of sequences and identify database sequences that resemble the query sequence a certain threshold.

Types OF BLAST:

- 1. Nucleotide Blast :- (blastn)
 - Refers to the use of a member of the BLAST suite of perograms such as "Blastn" to search with a mueleotide "query" against a database of mueleotide "subject" sequences.
- 2. Protein Blast: (blast p)

 Refers to when BLAST finals regions of local
 similarity between proteins sequences. This program
 searches protein databases using a perotein

Dr. D. Y. PATIL BIOTECHNOLOGY AND BIOINFORMATICS INSTITUTE, TATHAWADE, PUNE - 411 033.