

Q. 3. Explain in detail. (Any Two) (14)

- A. Describe smith waterman algorithm for pairwise sequence alignment.
- B. Explain the concept of gap penalty in sequence alignment.
- C. Sum of Pair method of multiple sequence alignment.

Q. 4. Answer the following: (Any Two) (14)

- A. Describe any one metabolic pathway database.
 - B. BLAST.
 - C. Global Vs Local sequence alignment.
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