

**Indian Institute of Engineering Science & Technology,  
Shibpur**

**Department of Computer Science & Technology.**

**8<sup>th</sup> Semester Artificial Intelligence Laboratory.**

**ASSIGNMENT- 5**

**(Sorting in Prolog)**

**Duration- 4 periods.**

**Full Marks (including Viva Voce)-15**

Implement the following sorting in Prolog.

1. \*Bubble Sort.
2. Selection Sort.
3. Permutation Sort.
4. Insertion Sort.
5. Merge Sort.
6. Quick Sort using Accumulator.
7. \*Quick Sort without using Accumulator.
8. \*Heap Sort.

\*marked assignments are not done in the class.